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SEEGER AND GUERNSEY'S

CYCLOPÆDIA

OF

The Manufactures and Products

OF THE

UNITED STATES

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NEW YORK,

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PREFACE.

The cordial reception accorded to the first edition of the CYCLOPÆDIA OF THE MANUFACTURES AND PRODUCTS OF THE UNITED STATES, would render it unnecessary to call attention to this, the second edition, were it not that so much has been added and so many alterations made on account of removals and other changes.

As the primary idea of the Cyclopædia is exactness in technical detail, it became necessary to submit the first edition to a minute revision. To accomplish this thoroughly, every accessible source of information was drawn from by expert compilers.

The contents of this edition are much more copious than that of 1890. The matter which has been added, amounting to about one-third more, was not obtained promiscuously, but was procured for the express purpose of strengthening those portions of the book where strength was needed. The result is now seen in an index which, from "Abacuses" to "Zymosimeters," fills 190 pages of solid type and comprises over 28,000 separate articles as against 26,000 in the edition of 1890.

As before stated, *it is not the object of this work to furnish a complete list of manufacturers.* The object is, on the contrary, to present a technically accurate and complete list of articles, or portions of articles, manufactured or produced in the United States. Accordingly, the names of manufacturers have been limited to a number—the best in every line—sufficiently large for the use of our subscribers, without necessitating the publication of a too unwieldy volume. This careful selection and curtailing of names has enabled an exactness which is apt to be lacking in the ordinary hasty collection of long lists of names found in mere business directories. And, for the buyers' use, it is more serviceable to find the names and addresses of a few reliable makers of the very article he wants, than a long list of names of manufacturers, who may or may not, be in a position to supply him with the required goods. In other words, we have endeavored to save the buyer the trouble of addressing, for instance, one hundred people in order to find that forty of them are not manufacturers, but dealers; thirty of them have gone out of business; twenty do not make the special variety of article which he wants, and only ten are left who are really available for his purpose. It is our object to give the names of these ten and to omit the ninety others.

We would recommend the users of this book to always consult the index at the beginning of the volume, as the classification has been necessarily arbitrary in many cases, and reliance, therefore, upon the partially alphabetical arrangement in Section I. would often be misleading.

The reference numbers following the names and addresses of manufacturers in Section I. indicate the pages in Section II. which are devoted to descriptions and illustrations of their goods.

We avail ourselves of this opportunity to again express our thanks to the manufacturers whose aid and co-operation have made it possible to obtain, and intelligibly arrange, the immensity of data which has made the CYCLOPÆDIA a standard book of reference for every business.

THE SEEGER & GUERNSEY CO.,

7 Bowling Green, New York.

Cipher Code.

For the use of subscribers to this edition of the Cyclopædia with

THE SEEGER & GUERNSEY CO., NEW YORK, ONLY.

Cable Address, - - - "SEEGERNSEY, NEWYORK."

(*In addressing manufacturers named in this book do not use this code, as it will not be understood.*)

The phrases given below are few in number and only designed for occasional buyers and for the opening of commercial relations when it is an object to save time. To our regular correspondents we furnish our private code. These phrases are to be used in connection with code words given opposite various articles described in Section II., and also in connection with articles in Section I., which articles may be denoted either by their full names or by their numbers.

☞ All cablegrams containing any code words taken from this edition of the Cyclopædia must be prefixed by the word "Sophos" which refers us to this particular edition and prevents misunderstandings.

PHRASES.

Send estimate on ..... Bandage
Mail net price of ..... Bandit
Telegraph net price of ..... Bang
Mail information regarding ..... Banging
Ship by first steamer ..... Banish
Ship by sail ..... Banjo
Ship via ..... Bannock
When can you ship ..... Banquet
Can you ship ..... Bantam
What are your terms ..... Baptist
What is approximate gross weight ..... Barber
What is the freight rate ..... Baron
What is the freight rate N.Y. to ..... on ..... Bashful
Buy for me (or our) account and hold for shipping instructions as follows ..... Basin
We refer to ..... New York ..... Basket
We refer to ..... London ..... Bassoon
We refer to ..... Batch
Have remitted to your credit with ..... Battery
Have telegraphed to your credit with ..... Batting
Have mailed you banker's draft on New York or London for ..... Bayonet
Draw at sight against B./L. ..... Beach
Have opened bank credit in your favor with ..... Beads
Have mailed you banker's draft on N. Y. or London, for ..... Draw at sight against B./L. for balance ..... Beadle
We are writing you ..... Bearish
Have you received our letter of ..... Beast
Telegraph answer immediately ..... Beauty
We will ship ..... Beggar
We can ship ..... Begin
We have shipped ..... Behave

CIPHER CODE.

Delivered on board vessel at port of	BEHEAD
Delivered on board vessel New York	BEHIND
Net cash with order	BEHOOF
One-third with order, two-thirds on shipment	BELAY
One-half " one-half "	BELFRY
One-third " draft at sight against B./L. for balance	BELOVE
One-half " " " " "	BEMOAN

Example. 9 Words.

SEEGERNSEY, NEWYORK.

Sophos Basin Odium Basket Brown Brothers Bearish

(Signature.)

Solution. 56 Words.

THE SEEGER & GUERNSEY CO., NEW YORK:

See English edition "Cyclopedia," 1892. Buy for our account and hold for shipping instructions, as follows: No. 18, "Capitola" Parlor Stove, coal or wood, weight 107 lbs., price $5.75. We refer to Brown Brothers, New York. We are writing you.

(Signature.)

SEEGER & GUERNSEY'S CYCLOPÆDIA

OF THE

Manufactures and Products

OF THE

UNITED STATES

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Wire Sponge Baskets 3077 D
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Wire Spring Pins 2839 WW
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Wire Stall Partitions 682 E
Wire, Staple 3104 Ss
Wire Staples 581 G
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Wires, Threaded 2839 TT
Wire Stitchers 1517 YY
Wire Straightening Machines 1840 K
Wire Strainers 799 G
Wire Stranding Machines. (See Wire Covering Machinery.)
Wire Stretchers 1842 E
Wire Swab Holders 800
Wire Table Mats 801 A
Wire Tacks 585 S
Wire, Tedder 3104 Vv
Wire, Telegraph 389 H
Wire, Tinned 3104 Ww
Wire Toasting Forks 738 D
Wire Toilet Articles 3410 KK
Wire Tools 1842
Wire Toy Furniture 2557 C
Wire Track Brooms, Steel 39 E
Wire Trellises 3102
Wire, Twist 3104 Xx
Wire, Umbrella 3104 Yy
Wire Umbrella Stands 469 D
Wire, Weaving 3104 Zz
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Wire Wheels, Steel 2867 F
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Wire Work, Builders' 3107 A
Wire Work, Diamond 3107 B
Wire Work, Elevator 3107 C
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Wood Barrows 3130 S
Wood Bending Machines 1483
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Wood Buttons 3156 BB
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Wood Carvings 267 H
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Woodchoppers' Wedges 1835 C
Wood Clamps 1555 K
Wood Cogging 1259 V
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Wood Curtain Poles ..... 2855 H
Wood Door Knobs. (See Wood Knobs.)
Wood Eaves Troughs ..... 236 C
Wooden Bowls ..... 698 E
Wooden Box Trunks. (See Trunks.)
Wooden Brackets ..... 215 B
Wooden Bridges ..... 217 C
Wooden Cans ..... 30 I
Wooden Faucets ..... 3210 K
Wooden Force Pumps ..... 1307 D
Wooden Forks ..... 996 I
Wooden Goods, Turned 3419
Wooden Grilles ..... 249 A
Wooden Hoisting Blocks ..... 1058 D
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Wooden Knobs ..... 552 J
Wooden Lattices 313
Wooden Mailing Tubes ..... 2263 A
Wooden Measures ..... 3275 H
Wooden Plates ..... 775 F
Wooden Plugs 3331
Wooden Pumps ..... 1313 E
Wooden Shelf Boxes ..... 28 LL
Wooden Shingles ..... 281 L
Wooden Ware 3436
Wooden Ware, Kitchen 754
Wooden Water Cans 3437
Wooden Water Pipe ..... 2030 Y
Wood Fillers' Brushes ..... 43 V
Wood Fillers 1966
Wood Finish ..... 2874 C
Wood Flexible Mats ..... 52 E
Wood Furniture Ornaments ..... 2718 M
Wood Hames ..... 651 P
Wood Harrows ..... 1002 L
Wood Holders 634
Wood Holders, Brass ..... 634 A
Wood Holders, Rattan ..... 634 B
Wood Hub Wheels ..... 2993 F
Wood, Kindling 617
Wood Lathe Chucks ..... 1453 B
Wood Mantels ..... 263 J
Wood Naphtha 190
Wood Pails ..... 2150 L
Wood Planers 1463
Wood Planers, Electrotypers' ..... 1593 E
Wood Polishing Machines 1484
Wood Potato Mashers ..... 815 C
Wood Pulleys ..... 1266 O
Wood Pulp ..... 2775 F
Wood Pulp Boards ..... 1971 P
Wood Pulp Machinery 1843
Wood Pulp Presses ..... 1714 S
Wood Pulp Stones ..... 1843 F
Wood Pulp Wet Machines ..... 1843 G
Wood Rubbing Felt ..... 2704 M
Wood Saw Blades ..... 1745 Y
Wood Saws ..... 1745 X
Wood Screws ..... 575 W
Wood Seat Chairs ..... 421 XX
Wood Shapers 1475
Wood Shutters ..... 288 C
Woods, Pail ..... 2773 C
Wood Split Pulleys ..... 1266 P
Wood Splitters 1844
Wood Splitters, Kindling ..... 1844 A
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Wood Stains ..... 1961 C
Wood Stairwork ..... 292 E
Wood Steak Mauls ..... 795 A
Wood Stirrups ..... 683 A
Wood Stock 2997
Wood Stock, Carriage ..... 2997 A
Wood Stock, Wagon ..... 2997 B
Wood Stoves ..... 626 P
Wood Street Car Mats ..... 52 F
Wood Table Mats ..... 801 B
Wood Tanks ..... 2834 K
Wood Toothpicks ..... 3412 B
Wood Tubing ..... 2036 Q
Wooden Tubs ..... 811 G
Wood Turning Lathes 1452
Wood Type ..... 2792 KK
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Wood Water Pails ..... 770 V
Wood Wheel Hand Cars ..... 2096 F
Wood Wheel Push Cars ..... 2101 B
Wood Wheels ..... 2867 I
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Wood Yarn Reels ..... 1413 D
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Wool Combs ..... 1432 F
Wool Dressers ..... 1386 D
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Wool Dusters ..... 1432 H
Wool Elevating Fans ..... 1599 J
Woolen Blankets ..... 2399 C
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Woolen Cheviots ..... 2417 B
Woolen Dress Goods ..... 2439 C
Woolen Hosiery ..... 3035 F
Woolen Looms ..... 1402 BB
Woolen Machinery 1432
Woolen Mill Supplies ..... 2839 UU
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Woolen Suitings ..... 2522 B
Woolen Underwear ..... 3068 O
Woolen Yarns ..... 2524 T
Wool Extracts 2870
Wool Felt ..... 2704 N
Wool Finishing Machines ..... 1390 E
Wool Flannels ..... 2446 C
Wool Hats ..... 3032 BB
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Wool Mattresses ..... 408 M
Wool Mineral ..... 2615 D
Wool Oil 1943
Wool Pickers. (See Pickers.)
Wool Presses ..... 1713 U
Wool Scourers ..... 2839 VV
Wool Scouring Machines ..... 1432 I
Wool Sheetings ..... 2493 B
Wool Soles ..... 2642 Y
Wool Spinning Frames ..... 1424 F
Wool Spoolers ..... 1426 F
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Wool Willowing Machines ..... 1432 K
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Working Boats, Club ..... I D
Work Stands ..... 464 M
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Work Tables ..... 467 CC
Worsted Apron Leather ..... 2839 XX
Worsted Braiding Machines. (See Braiding Machines.)
Worsted Braids ..... 2400 N

Worsted Buttons. (See Covered Buttons.)
Worsted Cards 1375 L
Worsted Combing Aprons 2839 YY
Worsted Dress Goods 2439 D
Worsted Finishing Machinery 1390 F
Worsted Hosiery 3035 G
Worsted Looms 1402 CC
Worsted Picture Cord 314 H
Worsted Plush 2480 F
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Wrenches, Carriage 1874 A
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Wringers, Mop 765
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Writing Desks, Wall 432 J
Writing Inks 2247
Writing Machines, Shorthand 1755
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Writing Papers 2018
Writing Papers, Colored 2018 B
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Wrought Iron Forgings 2714 K
Wrought Iron Gates 247 F
Wrought Iron Hoisting Blocks. (See Hoisting Blocks, Iron.)
Wrought Iron Lamp Brackets 911 C
Wrought Iron Pipe Fittings 2031 G
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YACHT & DECK BUCKETS 3150 B
Yacht Blocks. (See Hoisting Blocks, Wood.)
Yacht Boats 1 T
Yacht Boilers 1241 X
Yacht Cannon 390 B
Yacht Engines 1253
Yacht Engines, Naphtha 1253 A
Yacht Engines, Steam 1253 B
Yacht Flags 3216 J
Yacht Hoops. (See Mast Hoops.)
Yacht Lamps. (See Marine Lamps.)
Yachts 12
Yacht Sails 3350 B
Yachts, Iron 12 A
Yachts, Steam 13
Yachts, Steel 12 A
Yachts, Steel Steam 13 A
Yacht Trimmings 538 U
Yacht Water Closets 2786 QQ
Yacht Windlasses. (See Windlasses.)
Yard Hydrants 2029 D
Yard Machinery, Ship 1148
Yards, Steel 3355 DD
Yardsticks 3439
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Yarn, Cotton Mop 2524 I
Yarn Dressers 1386 E
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Yarns, Carpet 2524 C
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Yarns, Cotton 2524 J
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Yarns, Genappe 2524 K
Yarns, Hemp Carpet 2524 E
Yarns, Hosiery 2524 L
Yarns, Jute 2524 M
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Yarns, Knitting 2524 N
Yarns, Linen 2524 O
Yarns, Linen Carpet 2524 G
Yarns, Lisle Thread 2524 P
Yarns, Merino 2524 Q
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Yeast 2090
Yeast Cakes 2090 D
Yeast Cakes, Sugar Coated 2090 C
Yeast, Compressed 2090 A
Yeast, Dry Hop 2090 B
Yeast Powder 2090 E
Yellow Metal Bolts 501 RR
Yellow Metal Castings 2659 KK
Yellow Metal Nails 559 WW
Yellow Metal Plates 1848 O
Yellow Metal Sheathing 287 F
Yellow Pine 262 V
Yellow Ware 337
Yokes 2999
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Youths' Clothing. (See Clothing.)
Youths' Shoes ..... 22 P
Yuca Graters 1057
"Y" Valves ..... 2038 NN

ZEPHYR YARNS ..... 2524 W
Zinc 1867
Zinc Binding 2871
Zinc Buttons. (See Metal Buttons.)
Zinc Etchings 2343
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Zinc, Grained ..... 2751 A
Zincographic Printing Presses ..... 1718 HH
Zinc Ores ..... 1867 B
Zinc Ornaments ..... 3281 D
Zinc Oxide 2872
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Zinc Sheathing ..... 287 G
Zinc Tubing ..... 2036 R
Zinc White 1967
Zinc Work, Ornamental ..... 266 II
Zithers 1908
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Zoetropes 2610
Zylonite Collars & Cuffs. (See Celluloid Collars & Cuffs.)
Zymosimeters 3440

The Manufactures and Products

OF THE

UNITED STATES.

I. BOATS AND SHIPS.

1. BOATS.

A. ADIRONDACK BOATS.	H. V. Partelow & Co., Auburndale, Mass.
B. CANVAS FOLDING BOATS.	N. A. Osgood, Battle Creek, Mich.
C. CLUB BARGES.	Detroit Boat Works, Detroit, Mich.
	J. H. Rushton, Canton, N. Y.
D. CLUB WORKING BOATS.	Detroit Boat Works, Detroit, Mich.
	J. H. Rushton, Canton, N. Y.
	St. Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.
	E. Waters & Sons, Lansingburgh, N. Y.
E. ELECTRICAL BOATS.	Detroit Boat Works, Detroit, Mich.
F. FOLDING BOATS.	Acme Folding Boat Co., Miamisburg, O.
	Chas. W. King, Kalamazoo, Mich.
G. HUNTING BOATS.	Detroit Boat Works, Detroit, Mich.
	R. J. Douglas & Co., Waukegan, Ill.
	Thomas Kane & Co., 137 Wabash Av., Chicago, Ill.
	Racine Hardware Mfg. Co., Racine, Wis.
	J. H. Rushton, Canton, N. Y.
H. LIFE BOATS.	Frederick S. Allen, Cuttyhunk Island, Mass.
	Detroit Boat Works, Detroit, Mich.
	Higgins & Gifford, Gloucester, Mass.
	E. Waters & Sons, Lansingburgh, N. Y.
I. METALLIC LIFE BOATS.	Detroit Boat Works, Detroit, Mich.
	Thomas Drein & Son, Wilmington, Del.
	John T. Smith, 159 South St., New York.
J. PAPER BOATS.	J. H. Rushton, Canton, N. Y.
	E. Waters & Sons, Lansingburgh, N. Y.
K. PAPER RACING SHELLS.	E. Waters & Sons, Lansingburgh, N. Y.
L. RACING SHELLS.	Detroit Boat Works, Detroit, Mich.
M. RANDAN BOATS.	H. V. Partelow & Co., Auburndale, Mass.
	J. H. Rushton, Canton, N. Y.
N. RIVER SKIFFS.	R. J. Douglas & Co., Waukegan, Ill.
	Otterson & Seaman, Long Branch, N. J.
	John T. Smith, 159 South St., New York.
	St. Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.
O. ROW BOATS.	Sam'l Ayers, 37 Peck Slip, New York.
	Davis Boat & Oar Mfg. Co., Detroit, Mich.
	Detroit Boat Works, Detroit, Mich.
	R. J. Douglas & Co., Waukegan, Ill.
	Thos. Drein & Son, Wilmington, Del.
	Higgins & Gifford, Gloucester, Mass.
	Thomas Kane & Co., 137 Wabash Av., Chicago, Ill.
	N. A. Osgood, Battle Creek, Mich.
	Otterson & Seaman, Long Branch, N. J.
	Parker & Nagle, Portland, Me.
	Racine Boat Co., Racine, Wis.
	Radix Mfg. Co., 39 Old Slip, New York.
	J. H. Rushton, Canton, N. Y.
	O. Sheldon & Co., 394 Atlantic Av., Boston, Mass.

Jas. P. Simms, St, Louis. Mo.
John T. Smith, 159 South St., New York.
Spring Lake Clinker Boat Mfg. Co., Spring Lake, Mich.
E. Waters & Sons, Lansingburgh, N. Y.
A. B. Wood & Son, 154 South St., New York.

P. SAIL BOATS.
Sam'l Ayers, 37 Peck Slip, New York.
Th. Clapham, Roslyn, N. Y.
Thos. Drein & Son, Wilmington, Del.
N. A. Osgood, Battle Creek, Mich.
Racine Boat Co., Racine, Wis.
Radix Mfg. Co., 39 Old Slip, New York.
J. H. Rushton, Canton, N. Y.
O. Sheldon & Co., 394 Atlantic Av., Boston, Mass.
Jas. P. Simms, St. Louis, Mo.
John P. Smith, Nyack, N. Y.
John T. Smith, 159 South St., New York.
E. H. Thatcher, New Haven, Conn.
A. B. Wood & Son, 154 South St., New York.

Q. SNEAK BOXES.
Otterson & Seaman, Long Branch, N. J.

R. VENEER BOATS.
Racine Boat Co., Racine, Wis.

S. WHITEHALL BOATS.
H. V. Partelow & Co., Auburndale, Mass.
J. H. Rushton, Canton, N. Y.

T. YACHT BOATS.
Detroit Boat Works, Detroit, Mich.
Thos. Drein & Son, Wilmington, Del.
Otterson & Seaman, Long Branch, N. J.
H. V. Partelow & Co., Auburndale, Mass.
C. & R. Poillon, Greenpoint, Brooklyn, N. Y.
O. Sheldon & Co., 394 Atlantic Av., Boston, Mass.

2. CANAL BOATS.
American Steel Barge Co., W. Superior, Wis.
Adam Homer, Buffalo, N. Y.
Notter Bros., Buffalo, N. Y.
Riley Bros., Buffalo, N. Y.
Union Dry Dock Co., Buffalo, N. Y.

3. CANOES.

A. BIRCH CANOES.
Guy E. Carleton, Oldtown, Me.

B. METALLIC CANOES.
Thos. Drein & Son, Wilmington, Del.

C. PAPER CANOES.
J. H. Rushton, Canton, N. Y.
E. Waters & Sons, Lansingburgh, N. Y.

D. SAILING & PADDLING CANOES.
R. J. Douglas & Co., Waukegan, Ill.
Thos. Drein & Son, Wilmington, Del.
Thomas Kane & Co., 137 Wabash Av., Chicago, Ill.
Otterson & Seaman, Long Branch, N. J.
H. V. Partelow & Co., Auburndale, Mass.
O. Sheldon & Co., 394 Atlantic Av., Boston, Mass.
St. Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.
E. Waters & Sons, Lansingburgh, N. Y.
Watertown Boat & Canoe Co., Watertown, N. Y.

4. LAUNCHES.

A. NAPHTHA LAUNCHES.
Gas Engine & Power Co., Morris Dock, New York.

B. STEAM LAUNCHES.
Atlantic Works, E. Boston, Mass.
Edward S. Clark, 392 Atlantic Av., Boston, Mass.
Detroit Boat Works, Detroit, Mich.
R. J. Douglas & Co., Waukegan, Ill.
Hawthorn & Co., 12 Cortlandt St., New York.
Herreshoff Mfg. Co., Bristol, R. I.
Thomas Kane & Co., 137 Wabash Av., Chicago, Ill.
N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
Otterson & Seaman, Long Branch, N. J.
H. V. Partelow & Co., Auburndale, Mass.
J. H. Rushton, Canton, N. Y.
O. Sheldon & Co., 394 Atlantic Av., Boston, Mass.
St. Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.
Tappan Zee Co., Piermont-on-Hudson, N. Y.
E. Waters & Sons, Lansingburgh, N. Y.
Charles P. Willard & Co., 236 Randolph St., Chicago, Ill.

5. LIGHTERS.
Atlantic Works, E. Boston, Mass.
Columbian Iron Works & Dry Dock Co., Baltimore, Md.
Globe Iron Works Co., Elm & Spruce Sts., Cleveland, O.
Arthur Sewall & Co., Bath, Me.

6. OARS & PADDLES.
De Grauw, Aymar & Co., 34 South St., New York.
Detroit Boat Works, Detroit, Mich.
Hinckley Bros. & Co., 58 Commercial St., Boston, Mass.
Wm. Lyman, Middlefield, Conn.
New York Boat Oar Co., 69 West St., New York.
H. V. Partelow & Co., Auburndale, Mass.
J. H. Rushton, Canton, N. Y.

T. J. Shaw & Co., 166 Commercial St., Boston, Mass.
St Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.

7. RAFTS.

A LIFE RAFTS.
Detroit Boat Works, Detroit Mich.
D Kahnweiler, 146 Worth St., New York.
E Waters & Sons, Lansingburgh, N. Y.

B METALLIC LIFE RAFTS.
Thomas Drein & Son. Wilmington, Del.

8. SHIPS.

A. IRON & STEEL SHIPS
Bath Iron Works, Bath, Me.
Cleveland Ship Building Co., Cleveland, Ohio.
Columbian Iron Works & Dry Dock Co., Baltimore, Md.
Continental Iron Works, Greenpoint, Brooklyn, N. Y.
Wm Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa
Detroit Dry Dock Co., Detroit, Mich.
Globe Iron Works Co., Cleveland, Ohio.
Harlan & Hollingsworth Co., Wilmington, Del.
Neafie & Levy, Philadelphia, Pa.
Pusey & Jones Co., Wilmington, Del.
Union Iron Works, San Francisco, Cal.

B SAILING VESSELS.
Moses Adams, Essex, Mass.
J. M Bayles & Son, Port Jefferson, L. I., N. Y.
Bath Iron Works, Bath, Me.
J. S. Beacham & Bros., Baltimore, Md.
Willard A. Burnham, Essex, Mass.
Carleton, Norwood & Co., Rockport, Me.
J. Carll Northport, L. I., N Y.
J. Delano, Fair Haven, Mass.
Wm. F. Garrison, Goshen, N. Y.
Charles Hillman & Co., 1441 Beach St., Philadelphia, Pa.
Jackson & Sharp Co., Wilmington, Del.
Kelly & Spear, Bath, Me.
John McDonald, Bath, Me.
C. B. Minot, Phipsburg, Me.
Morris & Mathis, Camden, N. J.
B. W. & H. F. Morse, Bath, Me.
New England Co., Bath, Me.
Thos. Quayle's Sons, Cleveland, Ohio.
Geo. Russell, E. Deering, Me.
Arthur Sewall & Co. Bath, Me.
Wm. Skinner & Sons, Baltimore, Md.
Smith & Townsend, E. Boston, Mass.
Sam'l W. Tilton, Camden, N. J.
M. Turner, Benicia, Cal.

9. SHIPS OF WAR.
Atlantic Works, Boston, Mass.
Bath Iron Works, Bath, Me.
Columbian Iron Works & Dry Dock Co., Baltimore, Md.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa
Delaware River I. S. B. & Engine Works, Chester, Pa.
Harrison Loring, Boston, Mass.
Union Iron Works Co., San Francisco, Cal.

A. ARMORED VESSELS.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.
Delaware River I. S. B. & Engine Works, Chester, Pa.
Union Iron Works Co., San Francisco, Cal.

B. DYNAMITE CRUISERS.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.

C. GUN BOATS.
Quintard Iron Works, 18th St. & Avenue C, New York.

D. TORPEDO BOATS.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.
Herreshoff Mfg. Co., Bristol, R. I.

10. STEAMBOATS.
Am Steel Barge Co., W. Superior, Wis.
Bath Iron Works, Bath, Me
C. H. Delamater & Co., foot of W. 13th St., New York.
Delaware River I. S. B. & Engine Works, Chester, Pa.
New England Co., Bath, Me.
A. J. Sweeney & Son, Wheeling, W. Va. *61

A. FERRY BOATS.
Bath Iron Works, Bath, Me.
Cleveland Ship Building Co., Cleveland, Ohio.
Columbian Iron Works & Dry Dock Co., Baltimore, Md.
Continental Iron Works, Greenpoint, Brooklyn, N. Y.
Detroit Boat Works, Detroit, Mich.
Detroit Dry Dock Co., Detroit, Mich.
Harlan & Hollingsworth Co., Wilmington, Del.
New England Co., Bath, Me.

B. TOW OR TUG BOATS.
Atlantic Works, E. Boston, Mass.
Bath Iron Works, Bath, Me.
Cleveland Ship Building Co., Cleveland, Ohio.
Detroit Boat Works, Detroit, Mich.
Detroit Dry Dock Co., Detroit, Mich.

Harlan & Hollingsworth Co., Wilmington, Del.
Neafie & Levy, Philadelphia, Pa.
New England Co., Bath, Me.
Pusey & Jones Co., Wilmington, Del.
Jas. Rees & Sons, Pittsburgh, Pa.
Chas. P. Willard & Co., 236 Randolph St., Chicago, Ill.

11. STEAMSHIPS.

Atlantic Works, E. Boston, Mass.
Bath Iron Works, Bath, Me.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.
Delaware River I. S. B. & Engine Works, Chester, Pa.
Detroit Dry Dock Co., Detroit, Mich.
Globe Iron Works Co., Elm & Spruce Sts., Cleveland, Ohio.
Harlan & Hollingsworth Co., Wilmington, Del.
New England Co., Bath, Me.
Pusey & Jones Co., Wilmington, Del.
Union Iron Works Co., San Francisco, Cal.

12. YACHTS

Atlantic Works, E. Boston, Mass.
Sam'l Ayers, foot of 56th St., S. Brooklyn, N. Y.
Baylis & Son, Port Jefferson, L. I., N. Y.
Jefferson Borden, Jr., 43 Milk St., Boston, Mass.
Joshua Brown, Salem, Mass.
Jesse Carll, Port Jefferson, L. I., N. Y.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.
Crosby & Son, Osterville, Barnstable, Mass.
Delaware I. S. B. & Engine Works, Chester, Pa.
Timothy Desmond, Hoboken, N. J.
Detroit Boat Works, Detroit, Mich.
Ellis & Son, Tottenville, S. I., N. Y.
Thos. Fearon, Yonkers, N. Y.
W. Frisbie, Salem, Mass.
Gas Engine & Power Co., Morris Dock, N. Y.
Handren & Robins, Erie Dry Dock, Brooklyn, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
C. B. Harrington, Bath, Me.
Herreshoff Mfg. Co., Bristol, R. I.
Houston & Woodbridge, Marcus Hook, Del.
Hutchins & Pryor, City Point, S. Boston, Mass.
David Kirby, Rye, N. Y.
Geo. Lawley & Son, E. 1st St., foot of Ohio, Boston, Mass.
D. J. Lawlor, Chelsea, Mass.
Jas. Lennox, foot of 20th St., Brooklyn, N. Y.
T. S. Marvel & Co., Newburgh, N. Y.
Neafie & Levy, Philadelphia, Pa.
New England Co., Bath, Me.
Wm. Osborn & Son, Peekskill, N. Y.
Robert Palmer & Son, Noank, Conn.
Henry Piepgras, City Island, N. Y.
Pierce Bros., S. Boston, Mass.
Sam'l S. Pine, Greenpoint, L. I., N. Y.
C. & R. Poillon, foot of Clinton St., Brooklyn, N. Y.
Geo. Pope, Poughkeepsie, N. Y.
W. K. Pryor & Co., foot M St., S. Boston, Mass.
D. O. Richmond, Mystic, Conn.
Seabury & Co., Nyack, N. Y.
Alonzo E. Smith, Islip, L. I., N. Y.
John P. Smith, Nyack, N. Y.
Wm. B. Smith, City Point, S. Boston, Mass.
Smith & Terry, Greenpoint, L. I., N. Y.
South Boston Iron Works, Boston, Mass.
Wallen & Gorman, foot of 53d St., Brooklyn, N. Y.
C. Wintringham, foot of 55th St., Brooklyn, N. Y.
Wood Bros., Jeffries Point, E. Boston, Mass.

A. IRON & STEEL YACHTS.

Cleveland Ship Building Co., Cleveland, Ohio.
William Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.
Delaware I. S. B. & Engine Works, Chester, Pa.
Handren & Robins, Erie Dry Dock, Brooklyn, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
T. S. Marvel & Co., Newburg, N. Y.
Neafie & Levy, Philadelphia, Pa.
New England Co., Bath, Me.
Henry Piepgras, City Island, N. Y.
C. & R. Poillon, foot of Clinton St., Brooklyn, N. Y.
Pusey & Jones Co., Wilmington, Del.

13. YACHTS, STEAM.

Atlantic Works, E. Boston, Mass.
Edward S. Clark, 392 Atlantic Av., Boston, Mass.
Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.

Detroit Boat Works, Detroit, Mich.
R. J. Douglas & Co., Waukegan, Ill.
Harlan & Hollingsworth, Wilmington, Del.
Herreshoff Mfg. Co., Bristol, R. I.
Thomas Kane & Co., 137 Wabash Av., Chicago, Ill.
New England Co., Bath, Me.
N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
Racine Boat Co., Racine, Wis.
Risdon Iron & Locomotive Works, San Francisco, Cal.
O. Sheldon & Co., 394 Atlantic Av., Boston, Mass.
St. Lawrence River Skiff, Canoe & S. L. Co., Clayton, N. Y.
South Boston Iron Works, Boston, Mass.
Charles P. Willard & Co., 236 Randolph St., Chicago, Ill.

A. STEEL STEAM YACHTS.
Detroit Boat Works, Detroit, Mich.
Detroit Dry Dock Co., Detroit, Mich.
Herreshoff Mfg. Co., Bristol, R. I.

II. BOOTS AND SHOES.

14. BOOTS.

A. BOYS' BOOTS.
Boyd & Corey B. & S. Mfg. Co., 139 Summer St., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Buckingham & Hecht, San Francisco, Cal.
Geo. H. Burt & Co., 29 High St., Boston, Mass.
Wm. Claflin, Coburn & Co., 73 High St., Boston, Mass.
Commonwealth Shoe Leather Co., 27 High St., Boston, Mass.
David Cummings & Co.,19 High St., Boston, Mass.
J. F. Dane, Grinnell & Co., 37 Lincoln St., Boston, Mass.
A. C. Eastwood, Rochester, N. Y.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
Field-Thayer Mfg. Co., 279 Congress St., Boston, Mass.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Houghton, Coolidge & Co., 24 High St., Boston, Mass.
Hunt & Holbrook, Hartford, Conn.
Geo. E. Keith, Campello, Mass.
Lester & Co., Binghamton, N. Y.
Marmet & Heinrichs, 177 Fifth Av., Chicago, Ill.
Milius Boot & Shoe Mfg. Co., 825 N. 8th St., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Rice & Hutchins, 125 Summer St., Boston, Mass.
J. Richardson & Co., Elmira, N. Y.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
R. P. Smith & Sons, Franklin & Quincy Sts., Chicago, Ill.
Wallace, Elliott & Co., 118 Duane St., New York.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.
Thos. White & Co., 28 High St., Boston, Mass.

B. CHILDREN'S BOOTS.
J. W. Brigham & Co., Worcester, Mass.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Edwin C. Burt & Co., 92 Centre St., New York.
J. F. Dane, Grinnell & Co., 31 Lincoln St., Boston, Mass.
Davis Shoe Co., 95 Summer St., Boston, Mass.
Faunce & Spinney, Lynn, Mass.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Huiskamp Bros. Co., Keokuk, Iowa.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

C. COWBOY BOOTS.
Hunt & Holbrook, Hartford, Conn.

D. FELT BOOTS.
William Carroll & Co., Matteawan, N. Y.
Grand Rapids Felt Boot Co., Grand Rapids, Mich.
Dan'l Green & Co., 122 E. 13th St., New York.
Davis Shoe Co., 95 Summer St., Boston, Mass.
Huiskamp Bros. Co., Keokuk, Iowa.
Pedrick, Learey & Co., Beverly, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Taber Felt Boot Co., Buffalo, N. Y.

E. HUNTING BOOTS.
J. W. Brigham & Co., Worcester, Mass.
Hunt & Holbrook, Hartford, Conn.

Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
H. B. Reed & Co., S. Weymouth, Mass.
Chas. R. Smith, 113 Pearl St., Boston, Mass.
Von Lengerke & Detmold, 8 Murray St., New York.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

F. JOCKEY BOOTS.

Hunt & Holbrook, Hartford, Conn.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
E. B. Stimpson & Son, 31 Spruce St., New York. *222

G. LOG-DRIVERS' BOOTS.

J. W. Brigham & Co., Worcester, Mass.
David Cummings & Co., 19 High St., Boston, Mass.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Hunt & Holbrook, Hartford, Conn.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Rice & Hutchins, 125 Summer St., Boston, Mass.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

H. MEN'S AND YOUTHS' BOOTS.

Jas. A. Banister, Newark, N. J.
Bay State S. & L. Co., 91 Chambers St., New York.
Boyd & Corey B. & S. Mfg. Co., 139 Summer St., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Buckingham & Hecht, San Francisco, Cal.
Geo. H. Burt & Co., 29 High St., Boston, Mass.
Burt & Mears, 59 Reade St., New York.
Wm. Claflin, Coburn & Co., 73 High St., Boston, Mass.
Clark, Perry & Co., Baltimore, Md.
David Cummings & Co., 19 High St., Boston, Mass.
J. F. Dane, Grinnell & Co., 37 Lincoln St., Boston, Mass.
J. E. Dayton & Co., Williamsport, Pa.
Wm. T. Dixon & Bro., Baltimore, Md.
M. C. Dizer & Co , 111 Summer St., Boston, Mass.
Wm. Dorsch & Sons, Newark, N. J.
Dunn & McCarthy, Auburn, N. Y.
Durland, Thompson & Co., Honesdale, Pa.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
Field-Thayer Mfg. Co., 279 Congress St., Boston, Mass.
John S. Fogg & Co., 95 Lincoln St., Boston, Mass.
Forbush & Brown, Buffalo, N. Y.
Frank & Pray, 4 S. Howard St., Baltimore, Md.
Harrisburg B. & S. Mfg. Co., Harrisburg, Pa.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Geo. D. Hill & Co., Baltimore, Md.
Houghton, Coolidge & Co., 24 High St., Boston, Mass.
Huiskamp Bros. & Co., Keokuk, Iowa.
Hunt & Holbrook, Hartford, Conn.
Johnston & Murphy, Newark, N. J.
Geo. E. Keith, Campello, Mass.
J. H. Lee & Co., 117 Pearl St., Boston, Mass.
H. Leh & Co., Allentown, Pa.
J. & E. Lentz, Allentown, Pa.
Lester & Co., Binghamton, N. Y.
Marcy Bros. & Co., Hartford, Conn.
Packard & Field, Brockton, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
H. B. Reed & Co., S. Weymouth, Mass.
Rice & Hutchins, 125 Summer St., Boston, Mass.
Geo. Richardson, Dubuque, Iowa.
J. Richardson & Co., Elmira, N. Y.
Saller, Lewin & Co., 313 Arch St., Philadelphia, Pa.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
R. P. Smith & Sons, Franklin & Quincy Sts., Chicago, Ill.
E. Tucker & Son, Avon, Mass.
Wallace, Elliott & Co., 118 Duane St., New York.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.
T. A. Whicher & Co., 15 High St., Boston, Mass.
Thos. White & Co., 28 High St., Boston, Mass.
Ziegler Bros., 117 N. 5th St., Philadelphia, Pa.

I. MINERS' BOOTS.

Boyd & Corey B. & S. Mfg. Co., 139 Summer St., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
David Cummings & Co., 19 High St., Boston Mass.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Humphrey Bros. & Tracy, Towanda, Pa.
Hunt & Holbrook, Hartford, Conn.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.

Rice & Hutchins, 125 Summer St., Boston, Mass.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

15. BOOT LEGS AND TOPS.
E. B. Stimpson & Son, 31 Spruce St., New York. *222

16. BROGANS.
Geo. H. Burt & Co., 29 High St., Boston, Mass.
Bradley & Sayward, 133 Summer St., Boston, Mass.
Durland, Thompson & Co., Honesdale, Pa.
John S. Fogg & Co., 77 Bedford St., Boston, Mass.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
F. W. Henderson & Co., 2 High St., Boston, Mass.
Humphrey Bros. & Tracy, Towanda, Pa.
Hunt & Holbrook, Hartford, Conn.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
Chas. M. Moulton, 27 High St., Boston, Mass.
John O'Connell & Sons, 129 Summer St., Boston, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Potter, White & Bayley, 130 Summer St., Boston, Mass.
Rice & Hutchins, 125 Summer St., Boston, Mass.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
R. P. Smith & Sons, Franklin & Quincy Sts., Chicago, Ill.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

17. BUSKINS.
Bird & Stevens, 14 Hamilton St., Boston, Mass.
J. J. Grover's Sons, Lynn, Mass.
Hamilton & Tapley, 13 High St., Boston, Mass.
Huiskamp Bros. Co., Keokuk, Iowa.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.
Riverside Shoe Co., Market & Adams Sts., Chicago, Ill.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.
Wm. H. Wiley & Son, Hartford, Conn.

18. LEGGINS.
S. Rauh, 113 Spring St., New York.
Smith & Byron, 200 Dearborn St., Chicago, Ill.
Jacob Straus Saddlery Co., St. Louis, Mo.
Von Lengerke & Detmold, 8 Murray St., New York.
Wm. H. Wiley & Son, Hartford, Conn.

19. MOCCASINS.
E. A. Buck & Co., Bangor, Me.

20. OVERGAITERS.
Henry Billings, Worcester, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
S. Rauh, 113 Spring St., New York.
Smith & Byron, 200 Dearborn St., Chicago, Ill.
E. B. Stimpson & Son, 31 Spruce St., New York. *222
Wm. H. Wiley & Son, Hartford, Conn.

21. RUBBER BOOTS AND SHOES.
American Rubber Co., 64 Summer St., Boston, Mass.
Boston Rubber Shoe Co., Malden, Mass.
Brown-Desnoyers S. Co., Washn. Av. c. 11th St., St. Louis, Mo.
L. Candee Co., New Haven, Conn.
Colchester Rubber Co., Colchester, Conn.
Conant Rubber Co., Hartford, Conn.
Day Rubber Co., St. Louis, Mo.
Durland, Thompson & Co., Honesdale, Pa.
Nathaniel Fisher & Co., 31 Warren St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear's M. R. Shoe Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Hamilton-Brown S. Co., Washn. Av. c. 10th St., St. Louis, Mo.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
C. J. Lewis & Co., St. Louis, Mo.
Lycoming Rubber Co., Williamsport, Pa.
National Rubber Co., 28 Lincoln St., Boston, Mass.
New Brunswick Rubber Co., New Brunswick, N. J.
Para Rubber Shoe Co., S. Framingham, Mass.
Walden-Parcels-Jordan Shoe Co., 214 Chestnut St., St. Louis, Mo.
Woonsocket Rubber Co., Providence, R. I.

A. ARCTICS.
Goodyear's M. R. Shoe Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
National India Rubber Co., Bristol, R. I.
Para Rubber Shoe Co., S. Framingham, Mass.
Woonsocket Rubber Co., Providence, R. I.

B. LUMBERMEN'S OVERSHOES.
Goodyear's M. R. Shoe Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
Para Rubber Shoe Co., S. Framingham, Mass.
M. D Wells & Co., Madison & Market Sts., Chicago, Ill.

C. RUBBER SANDALS.
American Rubber Co., 64 Summer St., Boston, Mass.

Boston Rubber Shoe Co., 245 Causeway St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Para Rubber Shoe Co., S. Framingham, Mass.
Woonsocket Rubber Co., Providence, R. I.

D. RUBBER SPORTING BOOTS.
American Rubber Co., 64 Summer St., Boston, Mass.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Boston Rubber Shoe Co., 245 Causeway St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Para Rubber Shoe Co., S. Framingham, Mass.

22. SHOES.

A. ATHLETIC SHOES.
Bird & Stevens, 14 Hamilton St., Boston, Mass.
Boston Rubber Shoe Co., 245 Causeway St., Boston, Mass.
Hamilton & Tapley, 13 High St., Boston, Mass.
Huiskamp Bros. Co., Keokuk, Iowa.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Chas. R. Smith, 113 Pearl St., Boston, Mass.
A. G. Spalding & Bros., 241 Broadway, New York.

B. BATHING SHOES.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
S. Rauh, 113 Spring St., New York.

C. BOYS' SHOES.
C. E. Aldrich & Co., 22 High St., Boston, Mass.
Alter, Forwood & Co., 21 Strader Av., Cincinnati, O.
Bacon, Young & Co., Spencer, Mass.
F. A. Barber & Co., Auburn, N. Y.
Boyd & Corey Boot & Shoe Mfg. Co., Boston, Mass.
W. D. Brackett & Co., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Buckingham & Hecht, San Francisco, Cal.
Burley & Usher, Newburyport, Mass.
Burrell, Houghton & Co., 106 Summer St., Boston, Mass.
Wm. Claflin, Coburn & Co., 73 High St., Boston, Mass.
Commonwealth Shoe & Leather Co., 27 High St., Boston, Mass.
P. Cox Shoe Mfg. Co., Rochester, N. Y.
J. M. Cropley & Bro., 139 Summer St., Boston, Mass.
David Cummings & Co., 19 High St., Boston, Mass.
J. F. Dane, Grinnell & Co., 37 Lincoln St., Boston, Mass.
W. H. Daniels & Co., 112 Summer St., Boston, Mass.
Dixon Shoe Co., Market & Adams Sts., Chicago, Ill.
Wm. Dorsch & Sons, Newark, N. J.
Durland, Thompson & Co., Honesdale, Pa.
East N. Y. Boot, Shoe & L. Mfg. Co., 129 Duane St., New York.
Field-Thayer Mfg. Co., 279 Congress St., Boston, Mass.
Forbush & Brown, Buffalo, N. Y.
Giesecke Boot & Shoe Mfg. Co., Jefferson City, Mo.
J. Green & Co., Spencer, Mass.
Hamilton-Brown S. Co., Washn. Av. cor. 10th St., St. Louis, Mo.
Hamilton & Tapley, 13 High St., Boston, Mass.
Hanan & Son, 122 Centre St., New York.
Hayes-Partridge Shoe Co., 1103 Race St., Philadelphia, Pa.
Charles Heiser, Baltimore, Md.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Hough & Ford, Rochester, N. Y.
Houghton, Coolidge & Co., 24 High St., Boston, Mass.
Jennings, Friedman & Stevens, Haverhill, Mass.
George E. Keith, Campello, Mass.
J. H. Lee & Co., 117 Pearl St., Boston, Mass.
Lester & Co., Binghamton, N. Y.
J. B. Lewis, 95 Pearl St., Boston, Mass.
Lynchburg Shoe Mfg. Co., Lynchburg, Va.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
H. H. Mawhinney & Co., 27 High St., Boston, Mass.
Milius Boot & Shoe Mfg. Co., 217 Elm St., St. Louis, Mo.
Monaghan, Bay & Co., Harrisburg, Pa.
John Mundell & Co., 127 N. 13th St., Philadelphia, Pa.
J. S. Nelson & Son Shoe Co., N. Grafton, Mass.
John O'Connell & Sons, 129 Summer St., Boston, Mass.
Packard & Field, Brockton, Mass.
Pedrick, Learey & Co., Beverly, Mass.
Peters & Miller Shoe Co., 704 Washington Av., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.
Pingree & Smith, Detroit, Mich.
Rice & Hutchins, 125 Summer St., Boston, Mass.
J. Richardson & Co., Elmira, N. Y.
Robbins, Kellogg & Co., Pittsfield, Mass.

Rockland Co., 292 Devonshire St., Boston, Mass.
Selz. Schwab & Co., 192 Franklin St., Chicago, Ill.
G. & D. Silver, 146 Duane St., New York.
Chas. R. Smith, 113 Pearl St., Boston, Mass.
R. P. Smith & Sons, Franklin & Quincy Sts., Chicago, Ill.
Stacy, Adams & Co., Brockton, Mass.
Stowe, Bills & Hawley, 10 High St., Boston, Mass.
Walden-Parcels-Jordan Shoe Co., 214 Chestnut St., St. Louis, Mo.
Wallace, Elliott & Co., 118 Duane St., New York.
Walp & Co., Milford, Conn.
Warren B. & S. Co., 177 Congress St., Boston, Mass.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.
Frank E. White, Brockton, Mass.
Thos. White & Co., 28 High St., Boston, Mass.

D. CANVAS SHOES.

Burrell, Houghton & Co., 106 Summer St., Boston, Mass.
Hamilton & Tapley, 13 High St., Boston, Mass.
C. B. Lancaster & Co., 89 Bedford St., Boston, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.
J. F. Swain & Co., Lynn, Mass.

E. CHILDREN'S SHOES.

Beacon Shoe Mfg. Co., 109 Purchase St., Boston, Mass.
Behn & Young, Rochester, N. Y.
Bielefeld & Spahn, 93 Reade St., New York.
Blacker, Gerstle & Co., 9th & Sycamore Sts., Cincinnati, O.
Thos. Bolton, Rochester, N. Y.
W. D. Brackett & Co., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
A. E. Brown & Co., Orwigsburg, Pa.
Brown-Desnoyers S. Co., Washington Av. c. 11th St., St. Louis, Mo.
Burley & Usher, Newburyport, Mass.
Edwin C. Burt & Co., 92 Centre St., New York.
Colburn, Fuller & Co., 124 Summer St., Boston, Mass.
P. Cox Shoe Mfg. Co., Rochester, N. Y.
David Cummings & Co., 19 High St., Boston, Mass.
J. F. Dane, Grinnell & Co., 37 Lincoln St., Boston, Mass.
E. M. Dickinson & Co., 131 Summer St., Boston, Mass.
Nathan D. Dodge, Newburyport, Mass.
Drew, Selby & Co., Portsmouth, O.
Faunce & Spinney, Lynn, Mass.
Field-Thayer Mfg. Co., 279 Congress St., Boston, Mass.
A. Garside & Sons, 131 Duane St., New York.
Giesecke Boot & Shoe Mfg. Co., Jefferson City, Mo.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
Hayes-Partridge Shoe Co., 1103 Race St., Philadelphia, Pa.
G. W. Herrick & Co., Lynn, Mass.
Hough & Ford, Rochester, N. Y.
Houghton, Coolidge & Co., 24 High St., Boston, Mass.
Huiskamp Bros. Co., Keokuk, Iowa.
Jennings, Friedman & Stevens, Haverhill, Mass.
John Kelly, Rochester, N. Y.
Kelley, Goodfellow & Co., 523 Washington Av., St. Louis, Mo.
S. Kennard & Sons, Cleveland, O.
Keystone Shoe Co., Kutztown, Pa.
Krippendorf, Dittmann & Co., Sycamore & New Sts., Cincinnati, O.
Laird, Schober & Mitchell, 1133 Arch St., Philadelphia, Pa.
C. B. Lancaster & Co., 89 Bedford St., Boston, Mass.
John J. Lattemann Shoe Mfg. Co., 89 S. 5th Av., New York.
J. B. Lewis, 95 Pearl St., Boston, Mass.
Lounsbury & Soule, Stamford, Conn.
Lynchburg Shoe Mfg. Co., Lynchburg, Va.
H. H. Mawhinney & Co., 27 High St., Boston, Mass.
McIntosh & Co., Springfield, Mass.
Monaghan, Bay & Co., Harrisburg, Pa.
John Mundell & Co., 127 N. 13th St., Philadelphia, Pa.
G. W. Neidich & Co., Carlisle, Pa.
J. S. Nelson & Son Shoe Co., N. Grafton, Mass.
John O'Connell & Sons, 129 Summer St., Boston, Mass.
Pedrick, Learey & Co., Beverly, Mass.
Peters & Miller Shoe Co., 704 Washington Av., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pingree & Smith, Detroit, Mich.
Potomac Shoe Co., Alexandria, Va.
A. Priesmayer, Jefferson City, Mo.
Rice & Hutchins, 125 Summer St., Boston, Mass.
J. Richardson & Co., Elmira, N. Y.
Riverside Shoe Co., Adams & Market Sts., Chicago, Ill.

Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
Schafer, Swartz & Co., 619 N. 8th St., St. Louis, Mo.
G. & D. Silver, 146 Duane St., New York.
R. P. Smith & Sons, Franklin & Quincy Sts., Chicago, Ill.
Stowe, Bills & Hawley, 10 High St., Boston, Mass.
Walden-Parcels-Jordan Shoe Co., 214 Chestnut St., St. Louis, Mo.
S. Waterbury & Son, 37 Warren St., New York.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.
Edwin S. Woodbury & Lefavor, 123 Summer St., Boston, Mass.

F. CLOGS.
Thos. Spencer, 597 Greenwich St., New York.

G. CORK-SOLE SHOES.
Bradley & Metcalf, Milwaukee, Wis.
J. W. Brigham & Co., Worcester, Mass.
Commonwealth Shoe & Leather Co., 27 High St., Boston, Mass.
Copeland & Hartwell, Brockton, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Rice & Hutchins, 125 Summer St., Boston, Mass.
Chas. R. Smith, 113 Pearl St., Boston, Mass.

H. CORSET SHOES.
J. J. Lattemann Shoe Mfg. Co., 87 S. 5th Av., New York.

I. FELT SHOES.
Hamilton & Tapley, 13 High St., Boston, Mass.
Taber Felt Boot Co., Buffalo, N. Y.

J. GYMNASIUM SHOES.
Baldwin & Lamkin, Milford, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hamilton & Tapley, 13 High St., Boston, Mass.
Para Rubber Shoe Co., S. Framingham, Mass.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

K. HUNTING SHOES.
Giesecke Boot & Shoe Mfg. Co., Jefferson City, Mo.
Hamilton & Tapley, 13 High St., Boston, Mass.
Hunt & Holbrook, Hartford, Conn.
Chas. R. Smith, 113 Pearl St., Boston, Mass.
Von Lengerke & Detmold, 8 Murray St., New York.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

L. INFANTS' SHOES.
Bay State Shoe & Leather Co., 91 Chambers St., New York.
A. E. Brown & Co., Orwigsburg, Pa.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Colburn, Fuller & Co., 124 Summer St., Boston, Mass.
Robt. Dix & Son, 23 S. 6th St., Brooklyn, N. Y.
Nathan D. Dodge, Newburyport, Mass.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
Frank & Pray, Baltimore, Md.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
Geo. D. Hill & Co., Baltimore, Md.
Huiskamp Bros. Co., Keokuk, Iowa.
Phelps, Dodge & Palmer S. Co., Adams St. & 5th Av., Chicago, Ill.
Riverside Shoe Co., Market & Adams Sts., Chicago, Ill.
Saller, Lewin & Co., 313 Arch St., Philadelphia, Pa.
Schafer, Swartz & Co., 619 N. 8th St., St. Louis, Mo.
Thomas & Co., 304 Hewes St., Brooklyn, N. Y.
S. Waterbury & Son, 37 Warren St., New York.
Edwin S. Woodbury & Lefavor, 123 Summer St., Boston, Mass.
Zeigler Bros., 117 N. 5th St., Philadelphia, Pa.

M. KANGAROO SHOES.
American Shoe Co., Lynn, Mass.
Hunt & Holbrook, Hartford, Conn.

N. LADIES' AND MISSES' SHOES.
Alter, Forwood & Co., 21 Strader Av., Cincinnati, O.
D. Armstrong & Co., Batavia, N. Y.
Arnold & Lyon, 512 Arch St., Philadelphia, Pa.
Baker & Bowman, Syracuse, N. Y.
Baldwin & Lamkin, Milford, Conn.
Geo. E. Barnard, Lynn, Mass.
Bay State Shoe & Leather Co., 91 Chambers St., New York.
Beacon Shoe Mfg. Co., 109 Purchase St., Boston, Mass.
J. C. Bennett, Lynn, Mass.
Blacker, Gerstle & Co., 9th & Sycamore Sts., Cincinnati, O.
Thos. Bolton, Rochester, N. Y.
Thos. Boyd & Co., 95 Reade St., New York.
W. D. Brackett & Co., 121 Summer St.. Boston, Mass.
Bradley & Sayward, 133 Summer St., Boston, Mass.
Amos F. Breed, 13 Tremont Road, Boston, Mass.
Francis W. Breed, 286 Devonshire St., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
A. E. Brown & Co., Orwigsburg, Pa.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Burley & Usher, Newburyport, Mass.
Edwin C. Burt & Co., 92 Centre St., New York.
Cheshire Shoe Mfg. Co., Pittsfield, Mass.
Clark, Perry & Co., Baltimore, Md.
J. & T. Cousins, 199 Grand St., New York.

P. Cox Shoe Mfg. Co., Rochester, N. Y.
J. M. Cropley & Bro., 139 Summer St., Boston, Mass.
Croxton, Wood & Co., 255 N. 4th St., Philadelphia, Pa.
David Cummings & Co., 19 High St., Boston, Mass.
J. Cunningham Son & Co., Rochester, N. Y.
Dalton Shoe Co., Dalton, Mass.
J. F. Dane, Grinnell & Co., 37 Lincoln St., Boston, Mass.
Davis Shoe Co., 93 Summer St., Boston, Mass.
J. E. Dayton & Co., Williamsport, Pa.
E. M. Dickinson & Co., 131 Summer St., Boston, Mass.
Robt. Dix & Son, 23 S. 6th St., Brooklyn, N. Y.
Wm. T. Dixon & Bro., Baltimore, Md.
E. P. Dodge Mfg. Co., Newburyport, Mass.
Drew, Selby & Co., Portsmouth, O.
Dunn & McCarthy, Auburn, N. Y.
J. H. Durgin & Son, 103 Bedford St., Boston, Mass.
Eagle Shoe Co., Fredericksburgh, Va.
East N. Y. Shoe Co., 131 Duane St., New York.
Fancher & Ten Eyck, Bridgeport, Conn.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
Faunce & Spinney, Lynn, Mass.
Field-Thayer Mfg. Co., 279 Congress St., Boston, Mass.
Maurice Flynn, Lynn, Mass.
Frank & Pray, Baltimore, Md.
A. Garside & Sons, 131 Duane St., New York.
J. J. Grover's Sons, Lynn, Mass.
P. T. Hallahan, 759 Passayunk Av., Philadelphia, Pa.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
Harrisburg Shoe Mfg. Co., Harrisburg, Pa.
Harvey Bros., Lynn, Mass.
Hayes-Partridge Shoe Co., 1103 Race St., Philadelphia, Pa.
G. M. Herrick & Co., Lynn, Mass.
Geo. D. Hill & Co., Baltimore, Md.
Hough & Ford, Rochester, N. Y.
Huiskamp Bros. Co., Keokuk, Iowa.
Jennings, Friedman & Stevens, Haverhill, Mass.
A. J. Johnson & Co., Rochester, N. Y.
Keene Bros., Lynn, Mass.
Chas. Keighley, Vineland, N. J.
John Kelly, Rochester, N. Y.
Kelley, Goodfellow & Co., St. Louis, Mo.
S. Kennard & Sons, Cleveland, O.
Arthur Kenny, 60 College Place, New York.
Keystone Shoe Mfg. Co., Kutztown, Pa.
Krippendorf, Dittmann & Co., Cincinnati, O.
Laird, Schober & Mitchell, 1133 Arch St., Philadelphia, Pa.
C. B. Lancaster & Co., 89 Bedford St., Boston, Mass.
John J. Lattemann Shoe Mfg. Co., 89 S. 5th Av., New York.
H. Leh & Co., Allentown, Pa.
J. E. Lentz, Allentown, Pa.
J. B. Lewis, 95 Pearl St., Boston, Mass.
Lounsbury & Soule, Stamford, Conn.
Lounsbury, Mathewson & Co., S. Norwalk, Conn.
Lynchburg Shoe Mfg. Co., Lynchburg, Va.
Marcy Bros. & Co., Hartford, Conn.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
H. H. Mawhinney & Co., 27 High St., Boston, Mass.
McIntosh & Co., Springfield, Mass.
H. W. Merriam Shoe Co., Newton, N. J.
Adolph Meyer & Co., 12 High St., Boston, Mass.
Monaghan, Bay & Co., Harrisburg, Pa.
Morgan & Dore, Lynn, Mass.
E. & A. Mudge Shoe Co., 95 Bedford St., Boston, Mass.
John Mundell & Co., 127 N. 13th St., Philadelphia, Pa.
G. W. Neidich & Co., Carlisle, Pa.
J. S. Nelson & Son Shoe Co., N. Grafton, Mass.
John O'Connell & Sons, 129 Summer St., Boston, Mass.
Chas. D. Pecker & Co., 27 Arch St., Boston, Mass.
Pedrick, Learey & Co., Beverly, Mass.
Peters & Miller Shoe Co., 704 Washington Av., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pingree & Smith, Detroit, Mich.
Potomac Shoe Co., Alexandria, Va.
A. Priesmeyer, Jefferson City, Mo.
J. Richardson & Co., Elmira, N. Y.
Riverside Shoe Co., Market & Adams Sts., Chicago, Ill.

Ross, Levis & Pifer, Rochester, N. Y.
Saller, Lewin & Co., 311 Arch St., Philadelphia, Pa.
Schafer, Swartz & Co., St. Louis, Mo.
Scheuer & Rothschild, 107 Duane St., New York.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
Shillaber & Co., Lynn, Mass.
G. & D. Silver, 146 Duane St., New York.
R. P. Smith & Co., Franklin & Quincy Sts., Chicago, Ill.
B. F. Spinney & Co., 2 High St., Boston, Mass.
R. L. Stevens Shoe Mfg. Co., Louisville, Ky.
Perley A Stone & Co., Haverhill, Mass.
Stowe, Bills & Hawley, 10 High St., Boston, Mass.
Stribley & Co., Cincinnati, O.
Teed Shoe Mfg. Co., Kankakee, Ill.
Tucker & Marion, Jamestown, N. Y.
Union Shoe Co., Chillicothe, O.
Walden-Parcels-Jordan S. Co., 214 Chestnut St., St. Louis, Mo.
S. Waterbury & Son, 37 Warren St., New York.
M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.
White, Post & Co., 132 Duane St., New York.
Williams, Hoyt & Co., Rochester, N. Y.
Winch Bros., 134 Federal St., Boston, Mass.
Wisner Shoe Co., Bridgeport, Conn.
Wright & Peters, Rochester, N. Y.
Ziegler Bros., 117 N. 5th St., Philadelphia, Pa.

O. MANILLA SHOES.

American Novelty Shoe Co., 628 Cherry St., Philadelphia, Pa.

P. MEN'S AND YOUTHS' SHOES.

C. E. Aldrich & Co., 22 High St., Boston, Mass.
Alter, Forwood & Co., 21 Strader Av., Cincinnati, O.
D. Armstrong & Co., Batavia, N. Y.
Bacon, Young & Co., Spencer, Mass.
Baldwin & Lamkin, Milford, Conn.
Jas. A. Banister, 185 Washington St., Newark, N. J.
Bay State S. & L. Co., 91 Chambers St., New York.
Blocher Mfg. Co., Buffalo, N. Y.
Boyd & Corey Boot & Shoe Mfg. Co., Boston, Mass.
Bradley & Metcalf, Milwaukee, Wis.
W. D. Brackett & Co., 121 Summer St., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
A. E. Brown & Co., Orwigsburg, Pa.
Brown-Desnoyers Shoe Co., St. Louis, Mo.
Buckingham & Hecht, San Francisco, Cal.
Burley & Usher, Newburyport, Mass.
Burrell, Houghton & Co., 106 Summer St., Boston, Mass.
A. Claflin & Co., Milford, Mass.
Wm. Claflin, Coburn & Co., 73 High St., Boston, Mass.
Clark, Perry & Co., Baltimore, Md.
Copeland & Hartwell, Brockton, Mass.
P. Cox Shoe Mfg. Co., Rochester, N. Y.
David Cummings & Co., 19 High St., Boston, Mass.
J. F. Dane, Grinnell & Co., 37 Lincoln St., Boston, Mass.
W. H. Daniels & Co., 112 Summer St., Boston, Mass.
J. E. Dayton & Co., Williamsport, Pa.
Dixon Shoe Co., Market & Adams Sts., Chicago, Ill.
Wm. T. Dixon & Bro., Baltimore, Md.
M. C. Dizer & Co., 111 Summer St., Boston, Mass.
Wm. Dorsch & Sons, Newark, N. J.
W. L. Douglas, Brockton, Mass.
Dunn & McCarthy, Auburn, N. Y.
Durland, Thompson & Co., Honesdale, Pa.
East N. Y. Shoe Co., 131 Duane St., New York.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
Field-Thayer Mfg. Co., 279 Congress St., Boston, Mass.
John S. Fogg & Co., 95 Congress St., Boston, Mass.
Forbush & Brown, Buffalo, N. Y.
Frank & Pray, 4 S. Howard St., Baltimore, Md.
Giesecke Boot & Shoe Mfg. Co., Jefferson City, Mo.
J. Green & Co., Spencer, Mass.
Hamilton & Tapley, 13 High St., Boston, Mass.
Hamilton-Brown Shoe Co., Washn.Av. c. 10th St., St. Louis, Mo.
Hanan & Son, 122 Centre St., New York.
Harrisburg Boot & Shoe Mfg. Co., Harrisburg, Pa.
Hathaway, Soule & Harrington, 97 Lincoln St., Boston, Mass.
Hayes-Partridge Shoe Co., 1103 Race St., Philadelphia, Pa.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Heywood Boot & Shoe Co., Worcester, Mass.
Geo. D. Hill & Co., Baltimore, Md.

Hough & Ford, Rochester, N. Y.
Howell Bros. Shoe Co., Dallas, Tex.
Huiskamp Bros. Co., Keokuk, Iowa.
S. Gardner Jones, Brockton, Mass.
Johnston & Murphy, Newark, N. J.
Geo. E. Keith, Campello, Mass.
J. H. Lee & Co., 117 Pearl St., Boston, Mass.
H. Leh & Co., Allentown, Pa.
J. E. Lentz, Allentown, Pa.
Lester & Co., Binghamton, N. Y.
J. B. Lewis, 95 Pearl St., Boston, Mass.
Lilly, Brackett & Co., Brockton, Mass.
Lynchburg Shoe Mfg. Co., Lynchburg, Va.
Marcy Bros. & Co., Hartford, Conn.
H. H. Mawhinney & Co., 27 High St., Boston, Mass.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
H. T. Marshall, Brockton, Mass.
McIntosh & Co., Springfield, Mass.
James Means & Co., 41 Lincoln St., Boston, Mass.
Adolph Meyer & Co., 12 High St., Boston, Mass.
Monaghan, Bay & Co., Harrisburg, Pa.
John Mundell & Co., 127 N. 13th St., Philadelphia, Pa.
J. S. Nelson & Son Shoe Co., N. Grafton, Mass.
A. E. Nettleton & Co., Syracuse, N. Y.
Packard & Field, Brockton, Mass.
Pedrick, Learey & Co., Beverly, Mass.
Peters & Miller Shoe Co., 704 Washington Av., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.
Pingree & Smith, Detroit, Mich.
Potter, White & Bayley, 130 Summer St., Boston, Mass.
Redpath Bros. Mfg. Co., 70 Pearl St., Boston, Mass.
H. B. Reed & Co., S. Weymouth, Mass.
L. M. Reynolds & Co., Brockton, Mass.
Reynolds, Drake & Gabell, Brockton, Mass.
Rice & Hutchins, 125 Summer St., Boston, Mass.
Geo. Richardson, Dubuque, Iowa.
J. Richardson & Co., Elmira, N. Y.
Robbins, Kellogg & Co., Pittsfield, Mass.
H. S. Robinson & Co., Detroit, Mich.
Rockland Co., Rockland, Mass.
Saller, Lewin & Co., 313 Arch St., Philadelphia, Pa.
Sanborn & Mann, 51 Lincoln St., Boston, Mass.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
G. & D. Silver, 146 Duane St., New York.
Chas. R. Smith, 113 Pearl St., Boston, Mass.
R. P. Smith & Sons, Franklin & Quincy Sts., Chicago, Ill.
Stacy, Adams & Co., Brockton, Mass.
Stone, Bills & Hawley, 10 High St., Boston, Mass.
Strong & Carroll, 117 Summer St., Boston, Mass.
E. Tucker & Son, Avon, Mass.
J. S. Turner, Rockland, Mass.
Union Shoe Co., Chillicothe, O.
Wallace, Elliott & Co., 118 Duane St., New York.
Walp & Co., Milford, Conn.
Warren Boot & Shoe Co., 177 Congress St., Boston, Mass.
M. D. Wells & Co., 258 Madison St., Chicago, Ill.
T. A. Whicher & Co., 15 High St., Boston, Mass.
Frank E. White, Brockton, Mass.
Thos. White & Co., 28 High St., Boston, Mass.
White, Post & Co., 132 Duane St., New York.
Wright & Richards, Rockland, Mass.
Ziegler Bros., 117 N. 5th St., Philadelphia, Pa.

Q MINERS' SHOES.

Boyd & Corey B. & S. Mfg. Co., 139 Summer St., Boston, Mass.
J. W. Brigham & Co., Worcester, Mass.
David Cummings & Co., 19 High St., Boston, Mass.
C. H. Fargo & Co., 116 Market St., Chicago, Ill.
Giesecke Boot & Shoe Mfg. Co., Jefferson City, Mo.
C. M. Henderson & Co., Adams & Market Sts., Chicago, Ill.
Huiskamp Bros. Co., Keokuk, Iowa.
Humphrey Bros. & Tracy, Towanda, Pa.
Hunt & Holbrook, Hartford, Conn.
Marmet & Heinrichs, 177 5th Av., Chicago, Ill.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Rice & Hutchins, 125 Summer St., Boston, Mass.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.

M. D. Wells & Co., Madison & Market Sts., Chicago, Ill.

R. PATENT LEATHER SHOES.
J. W. Brigham & Co., Worcester, Mass.
Copeland & Hartwell, Brockton, Mass.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
G. W. Herrick & Co., Lynn, Mass.
Hunt & Holbrook, Hartford, Conn.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Rice & Hutchins, 125 Summer St., Boston, Mass.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
Chas. R. Smith, 113 Pearl St., Boston, Mass.

S. SHOES, FIREPROOF.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

T. TENNIS SHOES.
American Rubber Co., 64 Summer St., Boston, Mass.
J. Irving Benedict & Son, 142 Duane St., New York.
Boston Rubber Shoe Co., 245 Causeway St., Boston, Mass.
L. Candee & Co., New Haven, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hamilton & Tapley, 13 High St., Boston, Mass.
H. T. Marshall, Brockton, Mass.
New Brunswick Rubber Co., New Brunswick, N. J.
Para Rubber Shoe Co., S. Framingham, Mass.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill
Rice & Hutchins, 125 Summer St., Boston, Mass.
Chas. R. Smith, 113 Pearl St., Boston, Mass.
J. F. Swain & Co., Lynn, Mass.
Edwin S. Woodbury & Lefavor, 123 Summer St., Boston, Mass.

23. SLIPPERS.
American Novelty Shoe Co., 628 Cherry St., Philadelphia, Pa.
J. A. Banister, Newark, N. J.
Geo. E. Barnard, Lynn, Mass.
Boston Carpet Slipper Co., 49 High St., Boston, Mass.
A. E. Brown & Co., Orwigsburg, Pa.
Chase, Chamberlain & Co., 51 Lincoln St., Boston, Mass.
G. F. Daniels & Co., 279 Congress St., Boston, Mass.
E. P. Dodge Mfg. Co., Newburyport, Mass.
Nathan D. Dodge, Newburyport, Mass.
J. H. Durgin & Son, 103 Bedford St., Boston, Mass.
Wallace, Elliott & Co., 118 Duane St., New York.
Hamilton & Tapley, 13 High St., Boston, Mass.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
Hayes & Loomis, 43 Lincoln St., Boston, Mass.
Levy & Katzman, 132 Duane St., New York.
J. & J. W. Marshall, 35 Sudbury St., Boston, Mass.
Mt. Holly Shoe Co., Mt. Holly, N. J.
Peters & Miller Shoe Co., 704 Washington Av., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.
Pingree & Smith, Detroit, Mich.
A. Priesmeyer, Jefferson City, Mo.
Riverside Shoe Co., Market & Adams Sts., Chicago, Ill.
Scheuer & Rothschild, 107 Duane St., New York.
Utz & Dunn, Rochester, N. Y.
Walden-Parcels-Jordan Shoe Co., St. Louis, Mo.

A. CHILDREN'S SLIPPERS.
Edwin C. Burt & Co., 92 Centre St., New York.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
Jennings, Friedman & Stevens, Haverhill, Mass.
John J. Lattemann Shoe Mfg. Co., 89 S. 5th Av., New York.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.
Walden-Parcels-Jordan Shoe Co., St. Louis, Mo.

B. FELT SLIPPERS.
J. H. Durgin & Son, 103 Bedford St., Boston, Mass.
Hamilton & Tapley, 13 High St., Boston, Mass.
S. Kennard & Sons, Cleveland, O.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.
Pierce & Son, 127 Summer St., Boston, Mass.

C. LADIES' AND MISSES' SLIPPERS.
J. Irving Benedict & Son, 142 Duane St., New York.
A. E. Brown & Co., Orwigsburg, Pa.
Edwin C. Burt & Co., 92 Centre St., New York.
J. H. Durgin & Son, 103 Bedford St., Boston, Mass.
A. Garside & Sons, 131 Duane St., New York.
J. J. Grover's Sons, Lynn, Mass.
Hamilton & Tapley, 13 High St., Boston, Mass.
Hamilton-Brown S. Co., Washington Av. c. 10th St., St. Louis, Mo.
Huiskamp Bros. Co., Keokuk, Iowa.
Jennings, Friedman & Stevens, Haverhill, Mass.
John J. Lattemann Shoe Mfg. Co., 89 S. 5th Av., New York.
Peters & Miller Shoe Co., 704 Washington Av., St. Louis, Mo.
Phelps, Dodge & Palmer Co., Adams St. & 5th Av., Chicago, Ill.

Pierce & Son, 127 Summer St., Boston, Mass.
Riverside Shoe Co., Market & Adams Sts., Chicago, Ill.
Selz, Schwab & Co., 192 Franklin St., Chicago, Ill.
Star Heel Mfg. Co., Lynn, Mass.
Walden-Parcels-Jordan Shoe Co., St. Louis, Mo.

D. WIGWAM SLIPPERS. Huiskamp Bros. Co., Keokuk, Iowa.

III. BOXES, BARRELS AND BAGS.

24. BAGS.

A. BALLAST BAGS.
H. & L. Chase, St. Louis, Mo.
E. S. Halstead & Co., 75 Pearl St., New York.
John F. McHugh, 1250 Broadway, New York.

B. BURLAP BAGS.
Atlanta Paper Co., Atlanta, Ga.
John T. Bailey & Co., 1136 Market St., Philadelphia, Pa.
Bemis Bros. Bag Co., St. Louis, Mo.
H. & L. Chase, St. Louis, Mo.
Hardwood Mfg. & Storage Co., Minneapolis, Minn.
E. S. Halstead & Co., 75 Pearl St., New York.
Kurtz Bag Co., 76 Pearl St., New York.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.
Neville & Co., San Francisco, Cal.

C. COFFEE BAGS.
Bemis Bros. Bag Co., St. Louis, Mo.
H. & L. Chase, St. Louis, Mo.
E. S. Halstead & Co., 75 Pearl St., New York.

D. COTTON BAGS.
Bemis Bros. Bag Co., 601 S. 4th St., St. Louis, Mo.
Eagle Cotton Mills, Madison, Ind.
Graham Cotton Mills, Rockford, Ill.
E. S. Halstead & Co., 75 Pearl St., New York.
Hardwood Mfg. & Storage Co., Minneapolis, Minn.
Harmony Mills, Cohoes, N. Y.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.
Neville & Co., San Francisco, Cal.
Stark Mills, Manchester, N. H.
Odell Mfg. Co., Concord, N. C.
Tennessee Mfg. Co., Nashville, Tenn.

E FELT BAGS. Chas. N. Bacon, 52 Federal St., Boston, Mass.

F. FLOUR BAGS.
Atlanta Paper Co., Atlanta, Ga.
H. & L. Chase, St. Louis, Mo.
E. S. Halstead & Co., 75 Pearl St., New York.
Milwaukee Bag Co., Milwaukee, Wis.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.

G. FLOUR SACKS.
Adams, Jewett & Co., Cleveland, O.
Arkell & Smith, Canajoharie, N. Y.
John T. Bailey & Co., 1136 Market St., Philadelphia, Pa.
Bemis Bros. Bag Co., 601 S. 4th St., St. Louis, Mo.
H. & L. Chase, St. Louis, Mo.
Cleveland Paper Co., Cleveland, O.
Godfrey & Clark Paper Co., Pittsburgh, Pa.
E. S. Halstead & Co., 75 Pearl St., New York.
Hardwood Mfg. & Storage Co., Minneapolis, Minn.
Keokuk Bag Co., Keokuk, Ia.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.

H. GRAIN BAGS.
Androscoggin Mills, Lewiston, Me.
Bates Mfg. Co., Lewiston, Me.
Bemis Bros. Bag Co., St. Louis, Mo.
California Jute Mill Co., E. Oakland, Cal.
H. & L. Chase, St. Louis, Mo.
Columbia Cotton Mill Co., Columbia, Tenn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Grahamton Mfg. Co., Grahamton, Ky.
E. S. Halstead & Co., 75 Pearl St., New York.
Hardwood Mfg. & Storage Co., Minneapolis, Minn.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.
W. C. Noon & Co., Portland, Oregon.
Smith & Hughes, Davenport, Iowa.

I. GUNNY BAGS. H. & L. Chase, St. Louis, Mo.

E. S. Halstead & Co., 75 Pearl St., New York.

J. HEMP BAGS.
H. & L. Chase, St. Louis, Mo.
E. S. Halstead & Co., 75 Pearl St., New York.
D. W. Manwaring, 248 Front St., New York.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.

K. JUTE BAGS
Bemis Bros. Bag Co., St. Louis, Mo.
H. & L. Chase, St. Louis, Mo.
E. S. Halstead & Co., 75 Pearl St., New York.
Hardwood Mfg. & Storage Co., Minneapolis, Minn.
Percy Kent, 25 Bridge St., New York.
Jas. McGrath & Son, New Orleans, La.
Milwaukee Bag Co., Milwaukee, Wis.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.
Neville & Co., San Francisco, Cal.
Southard Mfg. Co., Richmond, Me.

L. PAPER BAGS.
Adams, Jewett & Co., Cleveland, O.
Atlanta Paper Co., Atlanta, Ga.
Arkell & Smith, Canajoharie, N. Y.
Belden & Dean, 166 Fulton St., New York.
Bemis Bros. Bag Co., 601 S. Fourth St., St. Louis, Mo.
Chas. J. Cave & Sons, 69 Park Pl., New York.
H. & L. Chase, 8 N. Main St., St. Louis, Mo.
S. Cupples Wooden Ware Co., 308 N. 2d St., St. Louis, Mo.
Diem & Wing Paper Co., 72 Walnut St., Cincinnati, O.
Robt. Gair, cor. Washington & Water Sts., Brooklyn, N. Y.
Godfrey & Clark Paper Co., Pittsburgh, Pa.
Ide & Haverstick Co., 523 Commerce St., Philadelphia, Pa.
Indiana Paper Co., Indianapolis, Ind.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.
Thos. Nixon & Co., Dayton, O.
J. S. Nugent & Co., 16 Reade St., New York.
Ohio Paper Bag Co., Middletown, O.
Union Bag & Paper Co., 161 Plymouth Pl., Chicago, Ill.

M. SEAMLESS BAGS.
H. & L. Chase, St. Louis, Mo.
Chelsea Jute Mills, 319 Broadway, New York.
Columbia Cotton Mill Co., Columbia, Tenn.
Cumberland Mills, Cumberland, N. C.
Franklinville Mfg. Co., Franklinville, N. C.
Naomi Falls Mfg. Co., Randleman, N. C.
Pennsylvania Cotton Mills, Allegheny, Pa.
Jos. P. & Jos. G. Ray, Woonsocket, R. I.
Royal River Mfg. Co., Yarmouth, Me
Stark Mills, Manchester, N. H.
Tennessee Mfg. Co., Nashville, Tenn.
J. M. Worth Mfg. Co., Worthville, N. C.

N. TOBACCO BAGS.
H. & L. Chase, St. Louis, Mo.
M. Millhiser & Co., Richmond, Va.
M. J. Neahr & Co., 111 Lake St., Chicago, Ill.
Sparks Mfg. Co., 22 Burling Slip, New York.

O. WAXED PAPER BAGS.
Sparks Mfg. Co., 22 Burling Slip, New York.

P. WOOL BAGS.
California Jute Mill Co., E Oakland, Cal.
H. & L. Chase, St. Louis, Mo.
E. S. Halstead & Co., 75 Pearl St., New York.

25. BARRELS.
Acme Co-operative Barrel Co., Minneapolis, Minn.
Beman & Bayless, Binghamton, N. Y.
H. V. Bostwick, Ithaca, N. Y.
California Barrel Co., San Francisco, Cal.
Cincinnati Cooperage Co., Lower River Rd., Cincinnati, O.
Columbus Barrel Mfg. Co., Columbus, Ga.
B. Cosgrove & Sons, 20 Burling Slip, New York.
Doud, Sons & Co., Winona, Minn.
Grand Rapids Stave Co., Grand Rapids, Mich.
Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cinn., O.
Hardwood Mfg. & Storage Co., Minneapolis, Minn.
Michigan Barrel Co., Grand Rapids, Mich.
A. D. Miller & Sons, Pittsburgh, Pa.
D. W. Ryan, 19 Coventry St., Chicago, Ill.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.

A. ALE BARRELS
Chas. Cullen, 431 E. 10th St., New York.
Palmer Mfg. Co., Charleston, S. C.

B. APPLE BARRELS.
Michigan Barrel Co., Grand Rapids, Mich.
Palmer Mfg. Co., Charleston, S. C.
Aug. Taylor, Lunenburg, Mass.

C. HALF BARRELS.
Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cinn., O.
Palmer Mfg. Co., Charleston, S. C.

D. LARD BARRELS.
Palmer Mfg. Co., Charleston, S. C.

Western Mfg. Co., Lincoln, Neb.

E. OIL BARRELS. C. C. Field, Geneva, Pa.
Palmer Mfg. Co., Charleston, S. C.

F. PORK BARRELS. Palmer Mfg. Co., Charleston, S. C.
Western Mfg. Co., Lincoln, Neb.

26. BARREL HOOPS.

Wm. Clark's Son & Co., Pittsburgh, Pa.
Earnshaw & Wright, Indianapolis, Ind.
R. J. Flowers, Cairo, Ill.
Kentucky Hoop & Stave Works, Horton, Ky.
Michigan Barrel Co., Grand Rapids, Mich.
Williamson Mfg. Co., Williamson, N. Y.
Wilson Hoop Co., West Bay City, Mich.

27. BARREL STAVES & HEADING.

Edwin Bell & Sons, Youngstown, O.
Brooklyn Cooperage Co., 181 Front St., New York.
Cincinnati Cooperage Co., Lower River Rd., Cincinnati, O.
Dewey Stave Co., Toledo, O.
Doud, Son & Co., Pittsville, Wis.
Eagle Stave Co., Van Wert, O.
Force & Dickinson, Detroit, Mich.
J. F. Hasty & Son, Detroit, Mich.
G. B. Hodgman Mfg. Co., Sandusky, O.
Kentucky Hoop & Stave Works, Horton, Ky.
Marine City Stave Co., Marine City, Mich.
Seaman, Cox & Brown, 137 N. Hoyne Av., Chicago, Ill.
Shelly & Bro., Holgate, O.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
T. J. Stewart & Co., Bangor, Me. *64
Trevor Mfg. Co., Lockport, N. Y.
White Mountain Freezer Co., Nashua, N. H.

A. BARREL RIMS. J. B. Koller & Co., Mechanicsburg, Pa.
Michigan Barrel Co., Grand Rapids, Mich.
John Stinson, Baltimore, Md.

B. RIDDLE & SIEVE RIMS. Michigan Barrel Co., Grand Rapids, Mich.

28. BOXES.

A. AXLE GREASE BOXES. L. H. Baldwin, 40 Prince St., New York.
E. B. Estes & Sons, 254 Pearl St., New York.
Michigan Barrel Co., Grand Rapids, Mich.

B. BAND BOXES. L. H. Baldwin, 40 Prince St., New York.
Dayton Paper Novelty Co., Dayton, O.
Forest City Paper Box Co., Cleveland, O.

C. BEER BOXES. Atwood Bros., Whitman, Mass.
Henry W. Draper, Albany, N. Y.
Wm. B. Mershon & Co., E. Saginaw, Mich.

D. BLACKING BOXES. L. H. Baldwin, 40 Prince St., New York.
S. Shepard & Co., Buffalo, N. Y.

E. BLUING BOXES. L. H. Baldwin, 40 Prince St., New York.
A. Kingsbury & Son, Northampton, Mass.
Novelty Wood Works, Union City, Pa.

F. BOTTLE BOXES. L. H. Baldwin, 40 Prince St., New York.
D. Higham & Sons, 2650 E. Cumberland St., Philadelphia, Pa.
Wm. B. Mershon & Co., E. Saginaw, Mich.
Munson & Co., New Haven, Conn.

G. BUTTER BOXES. D. H. Burrell & Co., Little Falls, N. Y.
John S. Carter, Syracuse, N. Y.
Childs & Jones, Utica, N. Y.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Creamery Package Mfg. Co., 26 N. Clarke St., Chicago, Ill.
E. B. Estes & Sons, 254 Pearl St., New York.
Record Mfg. Co., Conneaut, O.
D. H. Roe & Co., 255 Kinzie St., Chicago, Ill.

H. CANDLE BOXES. L. H. Baldwin, 40 Prince St., New York.
Linton Mfg. Co., E. Saginaw, Mich.
Munson & Co., New Haven, Conn.
J. B. Stevens & Son, Rochester, N. Y.

I. CANDY BOXES. L. H. Baldwin, 40 Prince St., New York.
Benton & Co., New Haven, Conn.
Dayton Paper Novelty Co., Dayton, O.
E. B. Estes & Sons, 254 Pearl St., New York.
French & Franklin Mfg. Co., N. Attleboro, Mass.
Jesse Jones & Co., 615 Commerce St., Philadelphia, Pa.
Wm. B. Mershon & Co., E. Saginaw, Mich.
Bernard Meyer, 151 Chambers St., New York.
Munson & Co., New Haven, Conn.

J. CHEESE BOXES. W. A. Bailey, Fairfield, Mich.

M. H. Breese, Breeseport, N. Y.
D. H. Burrell & Co.: Little Falls, N. Y.
Creamery Package Mfg. Co., 20 N. Clarke St., Chicago, Ill.
Elgin Co-operative Butter Tub Co., Elgin, Ill.
Michigan Barrel Co., Grand Rapids, Mich.

K. CIGAR BOXES.
A. E. Ensign, Westfield, Mass.
H. W. Erichs & Co., 313 E. 11th St., New York.
Wm. Kein, New Orleans, La.
W. N. Matchneer, Pittsburgh, Pa.
Moser Cigar & Paper Box Co., 208 Elm St., St. Louis, Mo.
J. W. Streider, 2109 Washington St., Boston, Mass.
Albert Thalheimer, Reading, Pa.
Samuel W. Trost, 98 N. Canal St., Cincinnati, O.
Wm. Wicke, 530 1st Av., New York.
Chas. Woodruff, Binghamton, N. Y.

L. CLEATED BOXES.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Linton Mfg. Co., E. Saginaw, Mich.

M. DOVE-TAILED BOXES.
E. B. Estes & Sons, 254 Pearl St., New York.
J. B. Stevens & Son, Rochester, N. Y.
H. C. Underwood Mfg. Co., Wabash, Ind.

N. DRUGGISTS' BOXES.
L. H. Baldwin, 40 Prince St., New York.
M. Beggs, 163 Water St., New York.
Benton & Co., New Haven, Conn.
M. J. Bogert, 290 Pearl St., New York.
J. M. Cheeseboro, Knox, N. Y.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
E. B. Estes & Sons, 254 Pearl St., New York.
R. E. Hitchcock & Co., Waterbury, Conn.
Jesse Jones & Co., 615 Commerce St., Philadelphia, Pa.
Matchett & Co., Pittsburgh, Pa.
Bernard Meyer, 61 Fulton St., New York.
G. W. Plumby, 213 N. 4th St., Philadelphia, Pa.
N. V. Randolph & Co., Richmond, Va.
J. B. Stevens & Son, Rochester, N. Y.
Tablet & Ticket Co., 89 Franklin St., Chicago, Ill.
J. A. Ward, Buffalo, N. Y.
Weaver Mailing Envelope & Box Co., 315 Race St., Phila., Pa.

O. FANCY BOXES.
L. H. Baldwin, 40 Prince St., New York.
Cutler & West, Springfield, Mass.
E. B. Estes & Sons, 254 Pearl St., New York.
Isaac Kaufmann & Bro., 496 Broadway, New York.
Geo. J. Kraft, 85 Chambers St., New York.
Lewis Pattberg & Bros., 105 Franklin St., Jersey City, N J.
H. C. Underwood Mfg. Co., Wabash, Ind.

P. FISH BOXES.
L. H. Baldwin, 40 Prince St., New York.
L. H. Merchant, Gloucester, Mass.
Wm. B. Mershon & Co., E. Saginaw, Mich.

Q. FRUIT BOXES.
Anderson Tully Co., Benton Harbor, Mich.
L. H. Baldwin, 40 Prince St., New York.
Berlin Fruit Box Co., Berlin Heights, O.
E. B. Estes & Sons, 254 Pearl St., New York.
C. L. King & Co., Montague, Mich.
Pelican Saw Mill & Mfg. Co., New Orleans, La.

R. HAT BOXES.
L. H. Baldwin, 40 Prince St., New York.
Dayton Paper Novelty Co., Dayton, O.
Gilbert Bros., Bethel, Conn.
Frank R. Warner, Mohn's Store, Pa.
J. Weber, Jr., Reading, Pa.

S. HONEY BOXES.
L. H. Baldwin, 40 Prince St., New York.
Berlin Fruit Box Co., Berlin Heights, O.

T. ICE CREAM BOXES.
L. H. Baldwin, 40 Prince St., New York.
Benton & Co., New Haven, Conn.
Crume & Sefton Mfg. Co., Dayton, O.
James Fagan, 128 Mangin St., New York.
Munson & Co., New Haven, Conn.

U. JEWELRY BOXES.
L. H. Baldwin, 40 Prince St., New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
E. B. Estes & Sons, 254 Pearl St., New York.
Louis Ettinger & Sons, 80 Nassau St., New York.
Wm. H. Luther & Son, 214 Oxford St., Providence, R. I.
S. Valfer & Co., 66 Nassau St., New York.
Young Bros., Providence, R. I.

V. OINTMENT BOXES.
L. H. Baldwin, 40 Prince St., New York.
Celluloid Mfg. Co., Newark, N. J.
E. B. Estes & Sons, 254 Pearl St., New York.
Munson & Co., New Haven, Conn.

W. PACKING BOXES.

Herman Apel, 442 Elm St., Buffalo, N. Y.
L. H. Baldwin, 40 Prince St., New York.
J. H. Batchelder Mfg. Co., Helena, Ark.
H. F. Braunner Mfg. Co., Davenport, Iowa.
E. A. Conkling, 296 Broadway, Cincinnati, O.
Dodge & Bliss Box Co., Jersey City, N. J.
Dolsen-Chapin & Co., Bay City, Mich.
E. B. Estes & Sons, 254 Pearl St., New York.
James H. Fitzgerald, 54 Crosby St., New York.
Lee, Holland & Co., Buffalo, N. Y.
Linton Mfg. Co., East Saginaw, Mich.
William B. Mershon & Co., E. Saginaw, Mich.
T. G. Patterson, 456 West St., New York.
Joseph T. Pearson, 68 Wister St., Philadelphia, Pa.
Pelican Saw Mill & Mfg. Co., New Orleans, La.
J. N. Polsey & Co., Pawtucket, R. I.
Portland Lumber & Mfg. Co., Portland, Ore.
Geo. H. Reeves, 127 Greene St., Brooklyn, E. D., N. Y.
Riddle, Rehbein & Co., 13th & O'Fallon Sts., St. Louis, Mo.
P. Ryan, 109 Pearl St., New York.
J. B. Stevens & Son, Rochester, N. Y.
Verdi Mill Co., Verdi, Nev.

X. PAPER BOXES.

G. H. Allen, Lynn, Mass.
American Paper Co., Nashville, Tenn.
Eli Baldwin & Sons, 138 Fulton St., New York.
L. H. Baldwin, 40 Prince St., New York.
Benton & Co., New Haven, Conn.
F. W. Bird & Son, E. Walpole, Mass. *46
G. A. Bisler, 328 Julianna St., Philadelphia, Pa.
Bridgeport Paper Box Co., Bridgeport, Conn.
Chicago Manilla Paper Works, Chicago, Ill.
John Crompton & Co., 29 N. 4th St., Philadelphia, Pa.
Dayton Paper Novelty Co., Dayton, O.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Edwards & Docker, 16 N. 5th St., Philadelphia, Pa.
P. Goldsmith & Co., Covington, Ky.
B. G. Hughes & Bro., 242 Centre St., New York.
Hughes & Simpson, Troy, N. Y.
H. W. Humphrey, Unionville, Conn.
Jesse Jones & Co., 615 Commerce St., Philadelphia, Pa.
W. E. & E. D. Lockwood, 251 S. 3d St., Philadelphia, Pa.
Bernard Meyer, 151 Chambers St., New York.
Moser Cigar & Paper Box Co., 208 Elm St., St. Louis, Mo.
Munson & Co., New Haven, Conn.
National Metal Edge Box Co., 621 Cherry St., Philadelphia, Pa.
J. S. Nugent & Co., 16 Reade St., New York.
Osborn Patent Paper Box Co., Newark, N. J.
N. V. Randolph & Co., Richmond, Va.
W. C. Ritchie & Co., 154 Michigan Av., Chicago, Ill.
I. Roggenburger's Sons, 130 N. 3d St., Philadelphia, Pa.
C. Steinmetz, Wheeling, W. Va.
C. C. Taylor & Co., Springfield, Mass.
A. R. Westcott, Cedar Rapids, Iowa.

Y. PAPER BOXES, FOLDING.

L. H. Baldwin, 40 Prince St., New York.
Benton & Co., New Haven, Conn.
Brown & Bailey Co., 415 N. 8th St., Philadelphia, Pa.
Dayton Paper Novelty Co., Dayton, O.
Robert Gair, cor. Washington & Water Sts., Brooklyn, N. Y.
Lockwood Mfg. Co., 251 S. 3d St., Philadelphia, Pa.
Munson & Co., New Haven, Conn.
Novelty Paper Box Co., 440 N. 12th St., Philadelphia, Pa.
J. S. Nugent & Co., 16 Reade St., New York.
N. V. Randolph & Co., Richmond, Va.

Z. PILL BOXES.

L. H. Baldwin, 40 Prince St., New York.
E. B. Estes & Son, 254 Pearl St., New York.
David Heston & Sons, Orthodox & Franklin Sts., Phila., Pa.
N. V. Randolph & Co., Richmond, Va.

AA. PIN BOXES.

L. H. Baldwin, 40 Prince St., New York.
Benton & Co., New Haven, Conn.
Munson & Co., New Haven, Conn.

BB POWDER BOXES.

L. H. Baldwin, 40 Prince St., New York.
N. V. Randolph & Co., Richmond, Va.

CC. SALT BOXES.

Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
E. B. Estes & Sons, 254 Pearl St., New York.
L. H. Mace & Co., 111 E. Houston St., New York.
Michigan Barrel Co., Grand Rapids, Mich.

DD. SHOE BOXES.	G. H. Allen, Lynn, Mass.
	L. H. Baldwin, 40 Prince St., New York.
	John N. B. Green, Haverhill, Mass.
	Grover & Friend, Beverly, Mass.
	Linton Mfg. Co., E. Saginaw, Mich.
	Wm. B. Mershon & Co., E. Saginaw, Mich.
	J. B. Stevens & Son, Rochester, N. Y.
EE. SIPHON BOXES.	L. H. Baldwin, 40 Prince St., New York.
	Henry W. Draper, Albany, N. Y.
	Firm of John Matthews, 1st Av. & 27th St., New York.
	J. B. Stevens & Son, Rochester, N. Y.
	Wittemann Bros., 188 William St., New York.
FF. STARCH BOXES.	L. H. Baldwin, 40 Prince St., New York.
	Dodge & Bliss Box Co., Jersey City, N. J.
GG. TIN BOXES.	Albany Steam Tin Works, Albany, N. Y.
	Burger & Lee, 376 Greenwich St., New York.
	Burnham, Taite & Son, 117 S. 10th St. Philadelphia, Pa.
	W. A. Gill & Co., Columbus, O.
	H. F. Miller & Son, Baltimore, Md.
	Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.
	Tubular Rivet Co., 55 Lincoln St., Boston, Mass.
HH. TOBACCO BOXES.	Alton Box Mfg. Co., 3128 N. Broadway, St. Louis, Mo.
	L. H. Baldwin, 40 Prince St., New York.
	Linton Mfg. Co., E. Saginaw, Mich.
	William B. Mershon & Co., E. Saginaw, Mich.
	J. B. Stevens & Son, Rochester, N. Y.
	R. C. Wortham, Richmond, Va.
II. TURNED BOXES.	L. H. Baldwin, 40 Prince St., New York.
	M. J. Bogert, 290 Pearl St., New York.
JJ. WEDDING CAKE BOXES.	L. H. Baldwin, 40 Prince St., New York.
	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
	Bernard Meyer, 151 Chambers St., New York.
KK. WINE BOXES.	L. H. Baldwin, 40 Prince St., New York.
	Linton Mfg. Co., E. Saginaw, Mich.
	Wm. B. Mershon & Co., E. Saginaw, Mich.
	Wittemann Bros., 188 William St., New York.
LL. WOODEN SHELF BOXES.	L. H. Baldwin, 40 Prince St., New York.
	E. B. Estes & Sons, 254 Pearl St., New York.
	Jesse Jones & Co., 615 Commerce St., Philadelphia, Pa.
	Henry H. Sheip & Co., 1710 Randolph St., Philadelphia, Pa.
29. BOX SHOOKS.	John Bent, Carver, Mass.
	Hiram Blanchard & Sons, Eastport, Me.
	Dodge & Bliss Box Co., Jersey City, N. J.
	Dolsen, Chapin & Co., Bay City, Mich.
	E. B. Estes & Sons, 254 Pearl St., New York.
	Gillingham, Garrison & Co., 943 Richmond St., Philadelphia, Pa.
	Hawley Box & Lumber Co., 40 Gold St., New York.
	Hoover, Hughes & Co., Philipsburg, Pa.
	Moses Lincoln, E. Norton, Mass.
	Linton Mfg. Co., E. Saginaw, Mich.
	Mengel & Co., Bay City, Mich.
	Wm. B. Mershon, E. Saginaw, Mich.
	T. G. Patterson, Bethune & West Sts., New York.
	C. H. Stephens & Co., St. Johnsbury, Vt.
	T. J. Stewart & Co., Bangor, Me. *64
	White Mountain Freezer Co., Nashua, N. H.
30. CANS.	
A. ANILINE CANS.	Ball Bros. Glass Mfg. Co., Buffalo, N. Y.
	Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.
B. CREAMERY CANS.	Horne & Danz Co., St. Paul, Minn.
	H. H. Palmer & Co., Rockford, Ill.
	D. H. Roe & Co., 255 Kinzie St., Chicago, Ill.
C. FRUIT CANS.	Black & Krebs, Baltimore, Md.
	Albert Fischer Mfg. Co., 115 E. Front St., Cincinnati, O.
	Wm. Horn & Co., Keokuk, Iowa.
D. LARD CANS.	Horne & Danz Co., St. Paul, Minn.
	Matthai, Ingram & Co., Baltimore, Md.
	J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.
E. OYSTER CANS.	Black & Krebs, Baltimore, Md.
	Boston Can Co., 126 Milk St., Boston, Mass.
	Horne & Danz Co., St. Paul, Minn.
	Matthai, Ingram & Co., Baltimore, Md.
	Norton Bros., 36 River St., Chicago, Ill.
F. PAINT CANS.	John Dunlap & Co., Pittsburgh, Pa.
	Horne & Danz Co., St. Paul, Minn.
	C. B. McMeekin & Co., 40 West 2d St., Cincinnati, O.

J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.
C. P. Poole & Co., 255 N. Front St., Philadelphia, Pa.

G. REFRIGERATOR CANS.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Horne & Danz Co., St. Paul, Minn.

H. TIN CANS.
Black & Krebs, Baltimore, Md.
Boston Can Co., 126 Milk St., Boston, Mass.
Burger & Lee, 376 Greenwich St., New York.
Burnham, Taite & Son, 117 S. 10th St., Philadelphia, Pa.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
W. J. Clark & Co., Salem, O. *121
Crandall & Godley, 157 Franklin St., New York.
S. G. Davis & Co., 132 North St., Boston, Mass.
Eisenburg & New, Baltimore, Md.
W. A. Gill & Co., Columbus, O.
Ginna & Co., 53 Beach St., New York.
S. A. Ilsley & Co., 173 Pearl St., New York.
Impervious Package Co., Keene, N. H.
C. S. Maltby & Co., Baltimore, Md.
E. T. Mason & Co., 143 5th Av , Chicago, Ill.
Pacific Can Co., San Francisco, Cal.
J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.
R. Porter's Sons, 326 N. 2d St., Philadelphia, Pa.
Tubular Rivet Co., 55 Lincoln St., Boston, Mass.

I. WOODEN CANS.
Impervious Package Co., Keene, N. H.

31. CASES.

A. CUTLERY CASES.
J. R. Torrey Razor Co., Worcester, Mass.

B. EGG CASES.
American Straw Board Co., 506 Pullman Buildg., Chicago, Ill.
J. H. Batchelder Mfg. Co., Helena, Ark.
J. G. Cherry, Cedar Rapids, Iowa.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Lima Egg Case Co., Lima, O.
Linton Mfg. Co., E. Saginaw, Mich.
Geo. Wilson & Sons, Toledo, O.

C. LIQUOR CASES.
Dodge & Bliss Box Co., Jersey City, N. J.
Haskell Bros., 52 Madison St., Chicago, Ill.
Wittemann Bros., 188 William St., New York.

D. MOROCCO CASES.
American Morocco Case Co., 9 Bond St., New York.
John Barnett, 832 Broadway, New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

E. PLUSH CASES.
L. H Baldwin, 40 Prince St., New York.
Chas. F. Colby, Lancaster, N. H.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Hughes & Simpson, Troy, N. Y.
Isaac Kaufmann & Bro., 496 Broadway, New York.
E. A. Lauten & Co., 26 University Pl., New York.
Lewis Pattberg & Bros., 105 Franklin St., Jersey City, N. J.

F. SILVERWARE CASES.
Louis Ettlinger & Sons, 80 Nassau St., New York.
Chas. C. Haensler, 14 John St., New York.
S. C. Jackson, 180 Broadway, New York.
A. F. Towle & Son, Greenfield, Mass.
S. Valfer & Co., 66 Nassau St., New York.

32. CASKS.
Burkhardt & Mayer, Syracuse, N. Y.
Cincinnati Cooperage Co., Lower River Rd., Cincinnati, O.
Edmands & Hooper, Charlestown, Mass.
Philip Goerres, Milwaukee, Wis.
Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cinn., O.
D. W. Ryan, 19 Coventry St., Chicago, Ill.
J. Schwarzwalder & Sons, 637 W. 51st St., New York.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
George Windeller, San Francisco, Cal.

33. CRATES.
Berlin Fruit Box Co., Berlin Heights, O.
Dodge & Bliss Box Co., Jersey City, N. J.
Jas. H. Dykeman, 501 Union St., Brooklyn, N. Y.
Linton Mfg. Co., E. Saginaw, Mich.
Pelican Saw Mill & Mfg. Co., New Orleans, La.
Rugg Mfg. Co., Greenfield, Mass.
F. Smeed & Co., Cleveland, O.
South Side Mfg. Co., Petersburg, Va.
Thatcher Mfg. Co., Potsdam, N. Y.
Veale Bag & Package Co., 197 Washington St., New York.

34. KEGS.

A. NAIL KEGS.
Cincinnati Cooperage Co., Lower River Rd., Cincinnati, O.
Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cinn., O.
Impervious Package Co., Keene, N. H.
E. Jenckes Mfg. Co., Pawtucket, R. I.

Kilbourn & Co., Sandusky, O.
Lang & Jacobs, 355 Atlantic Av., Boston, Mass.
J. Schwarzwalder & Sons, 637 W. 51st St., New York.
Seaman, Cox & Brown, 137 N. Hoyne Av., Chicago, Ill.
Sharon Keg Co., Sharon, Pa.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.

B. POWDER KEGS.
L. C. Beardsley & Co., Cleveland, O.
A. D. Bridge, Hazardville, Conn.
Budke Mfg. Co., Cannonsburg, Pa.
Impervious Package Co., Keene, N. H.
Sharon Keg Co., Sharon, Pa.

C. SYRUP KEGS.
Bousfield Wooden Ware Co., Minneapolis, Minn.
Impervious Package Co., Keene, N. H.
Sharon Keg Co., Sharon, Pa.
Aug. Taylor, Lunenburg, Mass.

D. WHITE LEAD KEGS.
Impervious Package Co., Keene, N. H.
McClure & McCleary, Buffalo, N. Y.
Sharon Keg Co., Sharon, Pa.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.

35. PACKAGES.

A. BUTTER PACKAGES.
Albany Steam Tin Works, Albany, N. Y.
Ball Bros. Glass Mfg. Co., Buffalo, N. Y.
Menasha Wooden Ware Co., Menasha, Wis.
Record Mfg. Co., Conneaut, O.

B. FISH PACKAGES.
B. & A. D. Fessenden, Townsend, Mass.
G. B. Hodgman Mfg. Co., Sandusky, O.
Menasha Wooden Ware Co., Menasha, Wis.

C. JELLY PACKAGES.
Beaver Mills, Keene, N. H.
Menasha Wooden Ware Co., Menasha, Wis.

D. LARD PACKAGES.
Albany Steam Tin Works, Albany, N. Y.
Beaver Mills, Keene, N. H.
Menasha Wooden Ware Co., Menasha, Wis.
G. B. Hodgman Mfg. Co., Sandusky, O.

E. OIL PACKAGES.
Albany Steam Tin Works, Albany, N. Y.
Ball Bros. Glass Mfg. Co., Buffalo, N. Y.
W. J. Clark & Co., Salem, O. *121
Impervious Package Co., Keene, N. H.

F. PICKLE PACKAGES.
G. B. Hodgman Mfg. Co., Sandusky, O.

G. SYRUP PACKAGES.
Albany Steam Tin Works, Albany, N. Y.
B. & A. D. Fessenden, Townsend, Mass.
G. B. Hodgman Mfg. Co., Sandusky, O.
Menasha Wooden Ware Co., Menasha, Wis.

H. VARNISH PACKAGES.
Ball Bros. Glass Mfg. Co., Buffalo, N. Y.
Impervious Package Co., Keene, N. H.

36. PAILS.

A. BUTTER PAILS.
Albany Steam Tin Works, Albany, N. Y.
Hook Bros. Mfg. Co., Union City, Ind.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

B. CANDY PAILS.
Bousfield Wooden Ware Co., Minneapolis, Minn.
Creamery Package Co., 20 N. Clark St., Chicago, Ill.
Menasha Wooden Ware Co., Menasha, Wis.
J. & A. Van Putten, Holland, Mich.

C. FISH PAILS.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.

D. GREASE PAILS.
Wm. Vogel & Bros , 37 S. 9th St., Brooklyn, N. Y.

E. LARD PAILS.
Albany Steam Tin Works, Albany, N. Y.
Bousfield Wooden Ware Co., Minneapolis, Minn.
Hoy & Co., Albany, N. Y.
C. P. Poole & Co., 255 N. Front St., Philadelphia, Pa.
Sidney Shepard & Co., Buffalo, N. Y.

F. OYSTER PAILS.
Albany Steam Tin Works, Albany, N. Y.
Dayton Paper Novelty Co., Dayton, O.
Menasha Wooden Ware Co., Menasha, Wis.
Sidney Shepard & Co., Buffalo, N. Y.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.

G. TOBACCO PAILS.
Burgland & Shead, Defiance, O.
Menasha Wooden Ware Co., Menasha, Wis.
Union Mfg. Co., Toledo, O.

37. SHIPPING DRUMS.

A. OIL DRUMS.
Iron Clad Mfg. Co., 22 Cliff St., New York.

B. TOBACCO DRUMS.
Michigan Barrel Co., Grand Rapids, Mich.
Union Mfg. Co., Toledo, O.

38. TUBS.

A. BUTTER TUBS.
Creamery Package Mfg. Co., 26 N. Clark St., Chicago, Ill.
Davies Warehouse & Supply Co., 200 Lasalle Av., Chicago, Ill.
Doud, Sons & Co., Winona, Mich.
Elgin Co-operative Butter Tub Co., Elgin, Ill.

	La Grange Butter Tub Co., La Grange, Ind.
	D. H. Roe & Co., 255 Kinzie St., Chicago, Ill.
	A. S. Thompson, Ithaca, Mich.
	J. & A. Van Putten, Holland, Mich.
B. ICE CREAM TUBS.	Louis Beck, 810 Callowhill St.. Philadelphia, Pa.
	Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.
C. MEAT TUBS.	N. U. Walker Clay Mfg. Co., Walkers, O.

IV. BROOMS AND BRUSHES.

39. BROOMS.

A. HOUSEHOLD BROOMS.	Amsterdam Broom Co., Amsterdam, N. Y.	
	Bachtel & Pontius, Akron, O.	
	Geo. W. Bancroft, New Hartford, Conn.	
	T. E. Brigham, N. Adams, Mass.	
	Jas. H. Bronson, Amsterdam, N. Y.	
	Evans & Liddle, Lockport, N. Y.	
	A. Fraser, Lockport, N. Y.	
	Conrad Friedman, Newbridge, N. J.	
	Goodman Mfg. Co., Richmond, Va.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	M. G. Lee & Son, Davenport, Iowa.	
	Merkle-Wiley Broom Co., Paris, Ill.	
	E. D. Howard, Columbus, O.	
	W. T. James & Son, Rochester, N. Y.	
	Jones Bros., Utica, N. Y.	
	Lang & Shepard, Pittsburgh, Pa.	
	M. G. Lee & Son, Davenport, Iowa.	
	Perry & White, Urbana, O.	
	T. Peck & Co., Amsterdam, N. Y.	
	Aaron Pepper, Amsterdam, N. Y.	
	Geo. Stoddard, Oneida, N. Y.	
	Union Broom Mfg. Co., 173 S. Water St., Chicago, Ill.	
	Weaver & Humphries, Moundsville, W. Va.	
	John Wendling & Bro., New Orleans, La.	
	Ziegler, Hall & Lippitt, Meadville, Pa.	
B. STABLE AND STREET BROOMS.	Amsterdam Broom Co., Amsterdam, N. Y.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	E. D. Howard Co., Columbus, O.	
	M. G. Lee & Son, Davenport, Iowa.	
	J. M. C. Martin's Sons, 107 Fulton St., New York.	
	Merkle-Wiley Broom Co., Paris, Ill.	
	Morris McGraw, New Orleans, La.	
	Perry & White, Urbana, O.	
	J. Finley Smith & Son, 107 Chambers St., New York.	
	Union Rattan Mfg. Co., 125 Chambers St., New York.	
C. STEEL SCRAPER BROOMS.	S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O.	*54
D. STEEL WIRE BROOMS.	Gilbert & Bennett Mfg. Co., 42 Cliff St., New York.	
	A. Godic, 599 Milwaukee Av., Chicago, Ill.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O.	*54
	Palmer Wire Mfg. Co., Palmer, Mass.	
E. STEEL WIRE TRACK BROOMS.	A. Godic, 599 Milwaukee Av., Chicago, Ill.	
	S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O.	*54
F. TOY BROOMS.	M. G. Lee & Son, Davenport, Iowa.	
	Merkle-Wiley Broom Co., Paris, Ill.	

40. BRUSHES, ARTISANS'.

A. CYLINDER BRUSHES.	Boston Brush Mfg. Co., 38 Hawley St., Boston, Mass.
B. GILDERS' BRUSHES.	F. W. Devoe & Co., Fulton & William Sts., New York.
	Hanlon & Goodman, 57 Fulton St., New York.
	Wm. P. Sherman, 269 Pearl St., New York.
C. GLUE BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Flynn Bros., Lansingburg, N. Y.
	Hanlon & Goodman, 57 Fulton St., New York.
	J. M. C. Martin's Sons, 107 Fulton St., New York.
	H. Rosenthal & Bro., 152 Wooster St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
D. KALSOMINE BRUSHES.	Bradley & Smith, 251 Pearl St., New York.

Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Hanlon & Goodman, 57 Fulton St., New York.
Ellis Thayer, Pawtucket, R. I. *64
J. Finley Smith & Son, 107 Chambers St., New York.
John L. Whiting & Son, High & Purchase Sts., Boston, Mass.

E. MACHINE BRUSHES.
Boston Brush Mfg. Co., 38 Hawley St., Boston, Mass.
Hanlon & Goodman, 57 Fulton St., New York.
Ellis Thayer, Pawtucket, R. I. *64

F. MOULDERS' BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburg, N. Y.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
S. Obermayer Foundry Machine Co., Cincinnati, Ohio. *54
J. Finley Smith & Son, 107 Chambers St., New York.
Ellis Thayer, Pawtucket, R. I. *64

G. PAPER HANGERS' BRUSHES.
Hanlon & Goodman, 57 Fulton St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Ellis Thayer, Pawtucket, R. I. *64

H. PRINTERS' LYE BRUSHES.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Ellis Thayer, Pawtucket, R. I. *64

I. SATIN FINISH BRUSHES.
Boston Brush Mfg. Co., 38 Hawley St., Boston, Mass.
Hanlon & Goodman, 57 Fulton St., New York.
Ellis Thayer, Pawtucket, R. I. *64

J. SCRATCH BRUSHES.
Boston Brush Mfg. Co., 38 Hawley St., Boston, Mass.
Hanlon & Goodman, 57 Fulton St., New York.
Ellis Thayer, Pawtucket, R. I. *64

K. STEEL BOILER FLUE BRUSHES.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburg, N. Y.
A. Godic, 599 Milwaukee Av., Chicago, Ill.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
S. Obermayer Foundry Supply Mfg. Co., Cincinnati, Ohio. *54

L. STEEL CASTING BRUSHES.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
A. Godic, 599 Milwaukee Av., Chicago, Ill.
Gilbert & Bennett Mfg. Co., 42 Cliff St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
S. Obermayer Foundry Supply Mfg. Co., Cincinnati, Ohio. *54

M. TANNERS' AND CURRIERS' BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Ellis Thayer, Pawtucket, R. I. *64

N. TAR & ROOFING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburg, N. Y.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

O. WHITEWASH BRUSHES.
American Patent Brush Co., Detroit, Mich.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburg, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Ellis Thayer, Pawtucket, R. I. *64
D. White & Sons, Portland, Me.
John L. Whiting & Son, Boston, Mass.

41. BRUSHES, HORSE.
American Patent Brush Co., Detroit, Mich.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Flynn Bros., Lansingburg, N. Y.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
H. Rosenthal & Bro., 152 Wooster St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

42. BRUSHES, HOUSEHOLD AND CLEANSING.

A. BILLIARD TABLE BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
O. Dennin & Son, Lansingburg, N. Y.
Grand Rapids Brush Co., Grand Rapids, Mich.

	Hanlon & Goodman, 57 Fulton St., New York.
	J. M. C. Martin's Sons, 107 Fulton St., New York.
	Chas. W. Mulford, 94 Beekman St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
	Standard Brush Co., New Hartford, Conn.
	Wm. Van Kleeck, Lansingburg, N. Y.
B. BOTTLE BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
	Hanlon & Goodman, 57 Fulton St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
	Tyer Rubber Co., Andover, Mass.
C. CAR SCRUBS AND WASHERS.	Bradley & Smith, 251 Pearl St., New York.
	Boston Brush Mfg. Co., 38 Hawley St., Boston, Mass.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
	Standard Brush Co., New Hartford, Conn.
D. CHIMNEY BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Hanlon & Goodman, 57 Fulton St., New York.
	Rogers Brush Works, Deep River, Conn.
E. CRUMB BRUSHES.	Bradley & Smith, 251 Pearl St.. New York.
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
	O. Dennin & Son, Lansingburg, N. Y.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman. 57 Fulton St., New York.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	J. Finley Smith & Son, 107 Chambers St., New York.
	Wm. Van Kleeck, Lansingburg, N. Y.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
F. DUST BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Flynn Bros., Lansingburg, N. Y.
	Goodman Manufacturing Co., Richmond, Va.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
	J. M. C. Martin's Sons, 107 Fulton St., New York.
	Chas. W. Mulford, 94 Beekman St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
G. FLOOR BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
	Goodman Mfg. Co., Grand Rapids, Mich.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
	Jordan & Christie, 25 Charlestown St., Boston, Mass.
	M. G. Lee & Son, Davenport, Iowa.
	J. M. C. Martin's Sons, 107 Fulton St., New York.
	Chas. W. Mulford, 94 Beekman St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
H. FLOOR WAXING AND POLISHING BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Hanlon & Goodman, 57 Fulton St., New York.
	J. M. C. Martin's Sons, 107 Fulton St., New York.
	Chas. W. Mulford, 94 Beekman St., New York.
I. FURNITURE WAXING BRUSHES.	Hanlon & Goodman, 57 Fulton St., New York.
	Chas. W. Mulford, 94 Beekman St., New York.
J. GLASS CLEANING BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
	Rogers Brush Works, Deep River, Conn.
K. GUN BRUSHES.	Rogers Brush Works, Deep River, Conn.
L. HAT BRUSHES.	O. Dennin & Son, Lansingburg, N. Y.
	Florence Mfg. Co., Florence, Mass.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
	Meriden Britannia Co., Meriden, Conn.
	Chas. W. Mulford, 94 Beekman St., New York.
	Geo. Scott Co., Lansingburg, N. Y.
	J. Finley Smith & Son, 107 Chambers St., New York.
	Ellis Thayer, Pawtucket, R. I. *64
	Wm. Van Kleeck, Lansingburg, N. Y.
	E. & C. Wood, Lansingburg, N. Y.
M. HEARTH BRUSHES.	Bradley & Smith, 251 Pearl St., New York.
	O. Dennin & Son, Lansingburg, N. Y.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
	Jordan & Christie, 25 Charlestown St., Boston, Mass.
	M. G. Lee & Son, Davenport, Iowa.
	Chas. W. Mulford, 94 Beekman St., New York.

N. KITCHEN BRUSHES.	Bradley & Smith, 251 Pearl St., New York.	
	O. Dennin & Son, Lansingburg, N. Y.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	Hanlon & Goodman, 57 Fulton St., New York.	
	Chas. W. Mulford, 94 Beekman St., New York.	
	Ellis Thayer, Pawtucket, R. I.	*64
O. LAMP CHIMNEY BRUSHES.	Bradley & Smith, 251 Pearl St., New York.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	Hanlon & Goodman, 57 Fulton St., New York.	
	Rogers Brush Works, Deep River, Conn.	
	Ellis Thayer, Pawtucket, R. I.	*64
P. MACHINISTS' BENCH BRUSHES.	S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O.	*54
Q. NICKEL PLATERS' BRUSHES.	S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O.	*54
R. POCKET HAT BRUSHES.	Florence Mfg. Co., 23 Greene St., New York.	
	New England Novelty Co., 24 Portland St., Boston, Mass.	
S. SCRUB BRUSHES.	American Patent Brush Co., Detroit, Mich.	
	Bradley & Smith, 251 Pearl St., New York.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	O. Dennin & Son, Lansingburg, N. Y.	
	Goodman Mfg. Co., Richmond, Va.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	Hanlon & Goodman, 57 Fulton St., New York.	
	Jordan & Christie, 25 Charlestown St., Boston, Mass.	
	M. G. Lee & Son, Davenport, Ia.	
	J. M. C. Martin's Sons, 107 Fulton St., New York.	
	Chas. W. Mulford, 94 Beekman St., New York.	
	Oval Churn Co., Goshen, Ind.	
	J. Finley Smith & Son, 107 Chambers St., New York.	
	Standard Brush Co., New Hartford, Conn.	
	Ellis Thayer, Pawtucket, R. I.	*64
	Woodbury Bros., 11th Av. & 27th St., New York.	
T. SHOE BRUSHES AND DAUBERS.	C. J. Bailey & Co., 22 Boylston St., Boston, Mass.	
	Bradley & Smith, 251 Pearl St., New York.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	O. Dennin & Son, Lansingburg, N. Y.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	Hanlon & Goodman, 57 Fulton St., New York.	
	Jordan & Christie, 81 Fulton St., Boston, Mass.	
	J. M. C. Martin's Sons, 107 Fulton St., New York.	
	Chas. W. Mulford, 94 Beekman St., New York.	
	Nicol & Co., 21 River St., Chicago, Ill.	
	Peabody & Parks, Troy, N. Y.	
	J. Finley Smith & Son, 107 Chambers St., New York.	
	Standard Brush Co., New Hartford, Conn.	
	Ellis Thayer, Pawtucket, R. I.	*64
	Woodbury Bros., 11th Av. & 27th St., New York.	
U. SILVER CLEANING BRUSHES.	Bradley & Smith, 251 Pearl St., New York.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	Hanlon & Goodman, 57 Fulton St., New York.	
	J. M. C. Martin's Sons, 107 Fulton St., New York.	
	Chas. W. Mulford, 94 Beekman St., New York.	
	J. Finley Smith & Son, 107 Chambers St., New York.	
	Ellis Thayer, Pawtucket, R. I.	*64
V. STOVE BRUSHES.	American Patent Brush Co., Detroit, Mich.	
	Bradley & Smith, 251 Pearl St., New York.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	Hanlon & Goodman, 57 Fulton St., New York.	
	Jordan & Christie, 25 Charlestown St., Boston, Mass.	
	Peabody & Parks, Troy, N. Y.	
	J. Finley Smith & Son, 107 Chambers St., New York.	
	Standard Brush Co., New Hartford, Conn.	
	Ellis Thayer, Pawtucket, R I.	*64
	Woodbury Bros., 11th Av. & 27th St., New York.	
W. VELVET BRUSHES.	O. Dennin & Son, Lansingburg, N. Y.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	Chas. W. Mulford, 94 Beekman St., New York.	
X. WATER CLOSET BRUSHES.	Rogers Brush Works, Deep River, Conn.	
Y. WINDOW BRUSHES.	Boston Brush Mfg. Co., 38 Hawley St., Boston, Mass.	
	Bradley & Smith, 251 Pearl St., New York.	
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.	
	O. Dennin & Son, Lansingburg, N. Y.	
	Grand Rapids Brush Co., Grand Rapids, Mich.	
	Jordan & Christie, 25 Charlestown St., Boston, Mass.	

J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Standard Brush Co., New Hartford, Conn.
Ellis Thayer, Pawtucket, R. I. *64

Z. WHISK BROOMS.
J. H. Bronson & Co., Amsterdam, N. Y.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Harrison & Dickson, Los Angeles, Cal.
E. D. Howard Co., Columbus, O.
M. G. Lee & Son, Davenport, Iowa.
Merkle-Wiley Broom Co., Paris, Ill.
Perry & White, Urbana, Ohio.
Ziegler & McCurdy, Meadville, Pa.

43. BRUSHES, PAINT.

A. ARTISTS' BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Miles Bros. & Co., 102 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
John L. Whiting & Son, High & Purchase Sts., Boston, Mass.

B. BLENDERS.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.

C. BLIND BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Ellis Thayer, Pawtucket, R. I. *64

D. BORDERING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.

E. BRICK LINERS.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.

F. CAMEL HAIR BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
H. Rosenthal & Bro., 152 Wooster St., New York.

G. CARRIAGE & COACH BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. D. Thum, 150 N. Third St., Philadelphia, Pa.

H. FLAT PAINT BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburgh, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
H. Rosenthal & Bro., 152 Wooster St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Ellis Thayer, Pawtucket, R. I. *64

I. FRESCO PAINTERS' BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburgh, N. Y.
Flynn Bros., Lansingburg, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
Ellis Thayer, Pawtucket, R. I. *64

J. GRAINING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.

K. LACQUERING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St , New York.
J. Finley Smith & Son, 107 Chambers St., New York.

L. LETTERING BRUSHES
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.

M. MARKING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Hanlon & Goodman, 57 Fulton St., New York.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
J. M. C. Martin's Sons, 107 Fulton St., New York.
H. Rosenthal & Bro., 152 Wooster St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

N. MOTTLING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.

O. SASH TOOLS.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.

Hanlon & Goodman, 57 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

P. SHIP SEAM BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Hanlon & Goodman, 57 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

Q. SKIMMING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
Ellis Thayer & Son, Pawtucket, R. I. *64

R. SPOKE BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Hanlon & Goodman, 57 Fulton St., New York.

S. STENCIL BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

T. STIPPLING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

U. VARNISH BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburgh, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
H. Rosenthal & Bro., 152 Wooster St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Chas. D. Thum, 150 N. 3d St., Philadelphia, Pa.
John L. Whiting & Son, High & Purchase Sts., Boston, Mass.

V. WOOD FILLERS' BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
Wm. Van Kleeck, Lansingburgh, N. Y.

44. BRUSHES, SPECIAL.

45. BRUSHES, STEEL WIRE.
Gilbert & Bennett Mfg. Co., 42 Cliff St., New York.
A. Godic, 599 Milwaukee Av., Chicago, Ill.
S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O. *54
J. W. Paxson & Co., N. Laurel St., Nr. Del. Av., Phila., Pa.

46. BRUSHES, TOILET.

A. BATH BRUSHES.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.
Bradley & Smith, 251 Pearl St., New York.
O. Dennin & Son, Lansingburgh, N. Y.
Flynn Bros., Lansingburgh, N. Y.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
M. Leiner, 1267 Boston Road, New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
Rogers Brush Works, Deep River, Conn.
Wm. Van Kleeck, Lansingburgh, N. Y.
E. & C. Wood, Lansingburgh, N. Y.

B. CHAMOIS BRUSHES.
Hanlon & Goodman, 57 Fulton St., New York.

C. CLOTH BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
O. Dennin & Son, Lansingburgh, N. Y.
Florence Mfg. Co., Florence, Mass.
Flynn Bros., Lansingburgh, N. Y.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
Geo. Scott Co., Lansingburgh, N Y.
J. Finley Smith & Son, 107 Chambers St., New York.
Wm. Van Kleeck, Lansingburgh, N. Y.
E. & C. Wood, Lansingburgh, N. Y.

D. COSMETIC BRUSHES.
Hanlon & Goodman, 57 Fulton St., New York.

E. DANDRUFF BRUSHES.
Flynn Bros., Lansingburgh, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
Standard Brush Co., 400 Broome St., N. Y.
Wm. Van Kleeck, Lansingburgh, N. Y.

F. ELECTRIC BRUSHES.
Geo. A. Scott, 842 Broadway, New York.

G. FELT TOOTH BRUSHES.
Alfred Dolge, Dolgeville, N. Y.
Geo. Scott Co., Lansingburgh, N. Y.

H. FLESH BRUSHES.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.
O. Dennin & Son, Lansingburgh, N. Y.
Flynn Bros., Lansingburgh, N. Y.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
M. Leiner, 1267 Boston Road, New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas W. Mulford, 94 Beekman St., New York.
Rogers Brush Works, Deep River, Conn.
Geo. A. Scott, 842 Broadway, New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Wm. Van Kleeck, Lansingburgh, N. Y.
E. & C. Wood, Lansingburgh, N. Y.

I. HAIR BRUSHES.
Ames, Bonner & Co., Toledo, O.
Bradley & Smith, 251 Pearl St., New York.
O. Dennin & Son, Lansingburg, N. Y.
Florence Mfg. Co., Florence, Mass.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
Geo. A. Scott, 842 Broadway, New York.
J. Finley Smith & Son, 107 Chambers St., New York.
Standard Brush Co., 400 Broome St., New York.
Wm. Van Kleeck, Lansingburgh, N. Y.
E. & C. Wood, Lansingburgh, N. Y.

J. NAIL BRUSHES.
O. Dennin & Son, Lansingburgh, N. Y.
Florence Mfg. Co., Florence, Mass.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St , New York.
Chas. W. Mulford, 94 Beekman St., New York.
Rogers Brush Co., Deep River, Conn.
Geo. Scott Co., Lansingburgh, N. Y.
J. Finley Smith & Son, 107 Chambers St., New York.
Wm. Van Kleeck, Lansingburgh, N. Y.
E. & C. Wood, Lansingburgh, N. Y.

K. RUBBER BATH BRUSHES.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.

L. RUBBER TOOTH BRUSHES.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.

M. SHAVING BRUSHES.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Flynn Bros., Lansingburgh, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
W. S. Hollingsworth, 49 W. Broadway, New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.
Chas. W. Mulford, 94 Beekman St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

N. TOOTH BRUSHES.
Florence Mfg. Co., Florence, Mass.
Chas. W. Mulford, 94 Beekman St., New York.
Geo. A. Scott, 842 Broadway, New York.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

O. WIRE HAIR BRUSHES.
Eagle Mfg. Co., 92 Broad St., Boston, Mass.

47. CARPET SWEEPERS.
Bissell Carpet Sweeper Co., 153 Chambers St., New York.
Goshen Sweeper Co., Grand Rapids, Mich.
Rogers Brush Co., Deep River, Conn.
Ellis Thayer, Pawtucket, R. I. *64

48. DUSTERS.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Grand Rapids Brush Co., Grand Rapids, Mich.
Hanlon & Goodman, 57 Fulton St., New York.
Wm. P. Sherman, 269 Pearl St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

A. BARBER DUSTERS.
Bradley & Smith, 251 Pearl St., New York.
O. Dennin & Son, Lansingburgh, N. Y.
Hanlon & Goodman, 57 Fulton St., New York.
J. M. C. Martin's Sons, 107 Fulton St., New York.

B. CREPE DUSTERS.
Chas. W. Mulford, 94 Beekman St., New York.

C. FEATHER DUSTERS.
Bradley & Smith, 251 Pearl St., New York.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Cincinnati Mfg. Co., 211 Walnut St., Cincinnati, O.
Dearborn Duster Co., 50 S. Canal St., Chicago, Ill.
Hanlon & Goodman, 57 Fulton St., New York.
Hayes Duster Co., 51 Vesey St., New York.
M. G. Lee & Son, Davenport, Iowa.
Wm. P. Sherman, 269 Pearl St., New York.

D. FURNITURE AND PLUSH DUSTERS.	Bradley & Smith, 251 Pearl St., New York.
	O. Dennin & Son, Lansingburgh, N. Y.
	Hanlon & Goodman, 57 Fulton St., New York.
	Jordan & Christie, 25 Charlestown St., Boston, Mass.
	J. Finley Smith & Son, 107 Chambers St., New York.
E. HEMP DUSTERS.	Dearborn Duster Co., 50 S. Canal St., Chicago, Ill.
F. MOULDERS' DUSTERS.	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodman, 57 Fulton St., New York.
G. OSTRICH FEATHER DUSTERS.	R. B. Tindall & Co., 103 Chambers St., New York.
H. PAINTERS' DUSTERS.	Bradley & Smith, 251 Pearl St., New York.
	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
	O. Dennin & Son, Lansingburgh, N. Y.
	Grand Rapids Brush Co., Grand Rapids, Mich.
	Hanlon & Goodm -, 57 Fulton St., New York.
	Jordan & Christie, 25 Charlestown St., Boston, Mass.
	J. M. C. Martin's Sons, 107 Fulton St., New York.
	J. Finley Smith & Son, 107 Chambers St., New York.
I. PARLOR AND MANTEL DUSTERS.	Jordan & Christie, 25 Charlestown St., Boston, Mass.
	Chas. W. Mulford, 94 Beekman St., New York.
J. TURKEY FEATHER DUSTERS.	Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
	Dearborn Duster Co., 50 S. Canal St., Chicago Ill.
	Hayes Duster Co., 51 Vesey St., New York.
	M. G. Lee & Son, Davenport, Iowa.

V. CARPETS, OILCLOTH AND MATTING.

49. CARPETS.

A. AXMINSTER CARPETS.	Bigelow Carpet Co., Clinton, Mass.
	J. W. Dimick, 268 Canal St., New York.
	John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
	Hartford Carpet Co., Thompsonville, Conn.
	E. S. Higgins & Co., 84 White St., New York.
	Read Carpet Co., Bridgeport, Conn.
	Alex. Smith & Sons Carpet Co., Yonkers, N. Y.
	A. Turkington, Lafayette, Ind.
B. BRUSSELS CARPETS.	Robt. Beatty & Son, Little Falls, N. Y.
	Bigelow Carpet Co., Clinton, Mass.
	Burlington Carpet Co., Mount Holly, N. J.
	Bromley Bros., 1901 E. York St., Philadelphia, Pa.
	John Bromley & Sons, N. Front & E. Dauphin Sts., Phila., Pa.
	J. W. Dimick, 268 Canal St., New York.
	John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
	Glenham Carpet Mills, Glenham, N. Y.
	Hartford Carpet Co., Thompsonville, Conn.
	E. S. Higgins & Co., 84 White St., New York.
	Hogg & Metzger, 2534 N. 2d St., Philadelphia, Pa.
	Horner Bros. Carpet Co., N. 4th St. & Lehigh Av., Phila., Pa.
	Ivins, Dietz & Magee, 1217 Market St., Philadelphia, Pa.
	Lowell Mfg. Co., Lowell, Mass.
	McCallum & Sloan, Germantown, Philadelphia, Pa.
	Palmer Carpet Co., Palmer, Mass.
	Roxbury Carpet Co., 37 Simmons St., Boston, Mass.
	Stephen Sanford & Sons, Amsterdam, N. Y.
	Schofield, Mason & Co., Cumberland & N. 5th Sts., Phila., Pa.
	Shuttleworth Bros., Amsterdam, N. Y.
	Alex. Smith & Sons, Yonkers, N. Y.
	M. J. Whittall, Worcester, Mass.
	Worcester Carpet Co., Worcester, Mass.
C. DAMASK & VENETIAN CARPETS.	Bromley Bros. & Co., 1901 E. York St., Philadelphia, Pa.
	Jas. & Geo. D. Bromley, Adams & Jasper Sts., Philadelphia, Pa.
	Dickey & McMasters, Hancock St. & Lehigh Av., Phila., Pa.
	Horner Bros. Carpet Co., N. 4th St. & Lehigh Av., Phila., Pa.
	D. Jamieson, 1732 Leib St., Philadelphia, Pa.
	C. B. Krause & Co., 2163 Emlen St., Philadelphia, Pa.
	Thos. L. Leedom & Co., Bristol, Pa.
	Jas. Pollock & Son, 2226 E. Dauphin St., Philadelphia, Pa.
D. FELT CARPETS.	Harutune Iskiyan, 42 Franklin St., New York.

E. HEMP CARPETS.	H. L. Butler, Paterson, N. J.
	Chelsea Jute Mills, 519 Broadway, New York.
	Dolphin Mfg. Co., Paterson, N. J.
	E. H. Eisenhart, ft. 6th St., Brooklyn, N. Y.
	Lamond & Robertson, Paterson, N. J.
F. INGRAIN CARPETS.	E. Bisswanger, Emerald & Wishart Sts., Philadelphia, Pa.
	Bloomsburg Carpet Mill, Bloomsburg, Pa.
	Thos. Boggs, Sargeant St. & Trenton Av., Philadelphia, Pa.
	J. & G. D. Bromley, Adams & Jasper Sts., Philadelphia, Pa.
	Bromley Bros., York & Jasper Sts., Philadelphia, Pa.
	Burlington Carpet Co., Mount Holly, N. J.
	Robt. Carson, E. Huntingdon St. & Trenton Av., Phila., Pa.
	Thomas Caves, N. 3d & Cumberland Sts., Philadelphia, Pa.
	Geo. Crawshaw & Sons, Newburg, N. Y.
	Alex. Crow & Son, 2212 Lynn St., Philadelphia, Pa.
	Thos. Develon's Sons, Hancock St. & Lehigh Av., Phila., Pa.
	J. W. Dimick, 268 Canal St., New York.
	John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
	Philip Doerr & Sons, 1700 N. 5th St., Philadelphia, Pa.
	Dornan Bros., 154 Oxford St., Philadelphia, Pa.
	Fernbrook Carpet Co., Yonkers, N. Y.
	Jas. Galbraith & Bro., Hancock St., Philadelphia, Pa.
	John Gay's Sons, Howard & Norris Sts., Philadelphia, Pa.
	Getty & Spratt, 2414 E. Huntingdon St., Philadelphia, Pa.
	Glenham Mills, Glenham, N. Y.
	John Hamilton, Howard St., Philadelphia, Pa.
	Hartford Carpet Co., Thompsonville, Conn.
	E. S. Higgins & Co., 84 White St., New York.
	Hogg & Metzger, 2534 N. 2d St., Philadelphia, Pa.
	A. Holmes, Hancock St., Philadelphia, Pa.
	Henry Holmes, Trenton Av. & Auburn St., Philadelphia, Pa.
	Thos. Huston & Co., Dauphin St. & Trenton Av., Phila., Pa.
	Ivins, Dietz & Magee, 1217 Market St., Philadelphia, Pa.
	William Judge & Bros., Leib St. & Columbia Av., Phila., Pa.
	Kitchenman & Neall, E. Huntingdon & Jasper Sts., Phila., Pa.
	Thos. L. Leedom & Co., Bristol, Pa.
	Lowell Mfg. Co., Lowell, Mass.
	McCallum & Sloan, Wayne Junction, Philadelphia, Pa.
	Hugh Nelson, 1726 Howard St., Philadelphia, Pa.
	Nye & Waite Carpet Co., Auburn, N. Y.
	Read Carpet Co., Bridgeport, Conn.
	Alex. Smith & Sons Carpet Co., Yonkers, N. Y.
	Jos. Taylor & Son, Montgomery Av. & Howard St., Phila., Pa.
	Van Deventer & Co., Plainfield, N. J.
	Wm. Whitaker & Sons, 203 Church St., Philadelphia, Pa.
G. MOQUETTE CARPETS.	Bigelow Carpet Co., Clinton, Mass.
	Hartford Carpet Co., Thompsonville, Conn.
	E. S. Higgins & Co., 84 White St., New York.
	Read Carpet Co., Bridgeport, Conn.
	Alex. Smith & Sons Carpet Co., Yonkers, N. Y.
	A. Turkington & Co., Lafayette, Ind.
H. PERSIAN CARPETS.	Wm. Dougherty & Sons, 2431 N. Front St., Philadelphia, Pa.
I. RAG CARPETS.	Robt. Cleeland & Sons, 1223 Lombard St., Philadelphia, Pa.
	Gibb & Co., 704 S. 5th St., Philadelphia, Pa.
	Jas. Paul Wilson, 2133 Dickinson St., Philadelphia, Pa.
J. SMYRNA CARPETS.	John Bromley & Sons, N. Front & E. Dauphin Sts., Phila., Pa.
	Wm. T. Smith, N. 3d St. & Lehigh Av., Philadelphia, Pa.
	Samuel White, Columbia Av. & N 4th St., Philadelphia, Pa.
K. TAPESTRY CARPETS.	Beattie Mfg. Co., Little Falls, N. J.
	Cochrane Carpet Co., Malden, Mass.
	J. W. Dimick, 268 Canal St., New York.
	John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
	Firth Carpet Co., Cornwall, N. Y.
	Glenham Carpet Mills, Glenham, N. Y.
	E. S. Higgins & Co., 84 White St., New York.
	Hirst, Roger & Co., 1826 Manor St., Philadelphia, Pa.
	Horner Bros. Carpet Co., 4th St. & Lehigh Av., Phila., Pa.
	Roxbury Carpet Co., Roxbury, Mass.
	Stephen Sanford & Sons, Amsterdam, N. Y.
	A. Smith & Sons, Carpet Co., Yonkers, N. Y.
	Stimson Bros.& Kurlbaum, Huntingdon c. Fairhill St, Phila., Pa.
L. WILTON CARPETS.	Bigelow Carpet Co., Clinton, Mass.
	Bromley Bros., 1901 E. York St., Philadelphia, Pa.
	John Bromley & Sons, N. Front & E. Dauphin Sts., Phila., Pa.
	John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
	J. W. Dimick, 268 Canal St., New York.

Glenham Carpet Mills, Glenham, N. Y.
Hartford Carpet Co., Thompsonville, Conn.
E. S. Higgins & Co., 84 White St., New York.
Lowell Mfg. Co., Lowell, Mass.
McCallum & Sloan, Germantown, Philadelphia, Pa.
Palmer Carpet Co., Palmer, Mass.
Stephen Sanford & Sons, Amsterdam, N. Y.
Schofield, Mason & Co., Cumberland & N. 5th Sts., Phila., Pa.
Shuttleworth Bros., Amsterdam, N. Y.
M. J. Whittall, Worcester, Mass.
Worcester Carpet Co., Worcester, Mass.

M. WOOD CARPETS.
John W. Boughton, 1207 Chestnut St., Philadelphia, Pa.
J. L. Isaacs Wall Paper Co., 1210 Olive St., St. Louis, Mo.
E. B. Moore & Co., 48 Randolph St., Chicago, Ill.
Racine Hardware Mfg. Co., Racine, Wis.

N. YARN CARPETS.
Robt. Cleeland & Son, 1223 Lombard St., Philadelphia, Pa.

50. CARPET LININGS.

A. FOLDED PAPER LINING.
Norwich Folded Paper Carpet Lining Co., Norwich, Conn.

B. PAPER LINING.
American Straw Board Co., 506 Pullman Bldg., Chicago, Ill.
Anti-Dust Carpet Lining Co., Terre Haute, Ind.
H. H. Hopkins, 50 Dearborn St., Chicago, Ill.
H. F. Watson Co., Erie, Pa.

C. STITCHED CARPET LINING.
Ehret-Warren Mfg. Co., 113 W. 8th St., St. Louis, Mo.
National Carpet Lining Co., 157 W. 6th St., Boston, Mass.
Union Carpet Lining Co., 179 Devonshire St., Boston, Mass.

51. LINOLEUM.

Geo. W. Blabon & Co., 9 N. 5th St., Philadelphia, Pa.
Nairn Linoleum Co., Kearney, N. J.
Thos. Potter, Sons & Co., 522 Arch St., Philadelphia, Pa.
D. Powers & Sons, Lansingburgh, N. Y.
Western Linoleum Mfg. Co., Akron, O.
Jos. Wild & Co., Astoria, L. I., N. Y.

52. MATS.

A. ASBESTOS MATS.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Jos. Wild & Co., Astoria, L. I., N. Y.

B. IRON MATS.
New York Steel Mat Co., Jersey City, N. J.
J. H. Van Dorn, Cleveland, O.

C. RUBBER MATS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.
Brook, Oliphant & Co., Trenton, N. J.
C. M. Clapp & Co., 7 Otis St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Goodyear's India Rubber Glove Mfg. Co., 503 B'way, New York.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
N. Y. Belting & Packing Co., 15 Park Row, New York.
Northwestern Rubber Co., Chicago, Ill.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Trenton Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.

D. WIRE MATS.
E. T. Barnum, Detroit, Mich.
Chicago Wire & Spring Co., 208 Lake St., Chicago, Ill.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Minneapolis Wire Works Co., Minneapolis, Minn.
Wire Goods Co., Worcester, Mass.

E. WOOD FLEXIBLE MATS.
Edward Beadle, 1193 Broadway, New York.
Chicago Wood Mat Co., 247 N. Wells St., Chicago, Ill.
A. Toffler, 211 E. 22d St., New York.

F. WOOD STREET-CAR MATS.
Chicago Wood Mat Co., 247 N. Wells St., Chicago, Ill.

G. WOOL MATS.
J. H. Bishop & Co., Wyandotte, Mich.

53. MATTINGS.

A. COCOA MATTING.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.
Jos. Wild & Co., Astoria, L. I., N. Y.

B. RUBBER MATTING.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
N. Y. Belting & Packing Co., 15 Park Row, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
Trenton Rubber Co., Trenton, N. J.

54. OILCLOTH.

A. CARRIAGE FLOOR CLOTH.	C. M. Bailey's Sons & Co., Winthrop, Me.
	Geo. W. Blabon & Co., 9 N. 5th St., Philadelphia, Pa.
	Wm. M. Brasher & Co., 18th St. & 8th Av., Brooklyn, N. Y.
	Thos. Potter, Sons & Co., 522 Arch St. Philadelphia, Pa.
	Alden Sampson & Sons, 58 Reade St., New York.
B. CARRIAGE OILCLOTH.	Atha & Hughes, Newark, N. J.
	Geo. W. Blabon & Co., 9 N. 5th St., Philadelphia, Pa.
	Thos. Potter, Sons & Co., 522 Arch St., Philadelphia, Pa.
C. ENAMELLED OILCLOTH.	Atha & Hughes, Newark, N. J.
	Geo. W. Blabon & Co., 9 N. 5th St., Philadelphia, Pa.
	A. F. Buchanan & Sons, 14 Thomas St., New York.
	Thos. Potter, Sons & Co., 522 Arch St., Philadelphia, Pa.
	Taunton Oilcloth Co., Taunton, Mass.
	Trenton Oilcloth Co., Trenton, N. J.
	Jos. Wild & Co., Astoria, L. I., N. Y.
D. FLOOR OILCLOTH.	Additon & Stout, Bath, Me.
	C. M. Bailey's Sons & Co., Winthrop, Me.
	Geo. W. Blabon & Co., 9 N. 5th St., Philadelphia, Pa.
	Wm. M. Brasher & Co., 429 20th St., Brooklyn, N. Y.
	J. C. Dunn, Jr., & Co., Camden, N. J.
	Farr & Bailey Mfg. Co., Camden, N. J.
	A. Folsom & Son, Canton Junction, Mass.
	R. C. Haskell & Co., Lansingburgh, N. Y.
	Wm. Morris, Salem, N. Y.
	P. J. Murphy & Co., Camden, N. J.
	Nairn Linoleum Co., Kearney, N. J.
	Theo. Pomeroy & Sons, Utica, N. Y.
	Thos. Potter, Sons & Co., 522 Arch St., Philadelphia, Pa.
	D. Powers & Sons, Lansingburgh, N. Y.
	R. H. & B. C. Reeve, Camden, N. J.
	Alden Sampson & Sons, 58 Reade St., New York.
E. TABLE OILCLOTH.	Atha & Hughes, Newark, N. J.
	Geo. W. Blabon & Co., 9 N. 5th St., Philadelphia, Pa.
	A. F. Buchanan & Sons, 14 Thomas St., New York.
	Thos. Potter, Sons & Co., 522 Arch St., Philadelphia, Pa.
	Jos. Wild & Co., Astoria, L. I., N. Y.

55. RUGS.

A. ASBESTOS RUGS.	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
B. BYZANTINE RUGS.	McCallum & Sloan, Wayne Junction, Philadelphia, Pa.
C. FUR RUGS.	J. H. Bishop Co., Wyandotte, Mich.
	C. G. Gunther's Sons, 184 5th Av., New York.
	S. Reineman, 160 Mercer St., New York.
	Jos. Wild & Co., Astoria, L. I., N. Y.
D. INGRAIN SQUARES.	J. & G. D. Bromley, Adams & Jasper Sts., Philadelphia, Pa.
	Bromley Bros., 1901 E. York St., Philadelphia, Pa.
	J. & J. Dobson, 28 N. Front St., Philadelphia, Pa.
	Hartford Carpet Co., Thompsonville, Conn.
	Henry Holmes, Auburn St. & Trenton Av., Philadelphia, Pa.
	Ivins, Dietz & Magee, 1217 Market St., Philadelphia, Pa.
	Thos. L. Leedom & Co., Bristol, Pa.
	McCallum & Sloan, Wayne Junction, Philadelphia, Pa.
E. MOQUETTE RUGS.	Bigelow Carpet Co., Clinton, Mass.
	Hartford Carpet Co., Thompsonville, Conn.
	Read Carpet Co., Bridgeport, Conn.
	A. Smith & Sons Carpet Co., Yonkers, N. Y.
F. SHEEPSKIN RUGS.	Sawyer Tanning Co., Napa, Cal.
	Jos. Wild & Co., Astoria, L. I., N. Y.
G. SMYRNA RUGS.	Beattie Mfg. Co., Little Falls, N. J.
	Bromley Bros. & Co., 1901 E. York St., Philadelphia, Pa.
	Bromley Mfg. Co., Lehigh Av. near N. Front St., Phila., Pa.
	John Bromley & Sons, N. Front & E. Dauphin Sts., Phila., Pa.
	Geo. Crawshaw & Sons, Newburg, N. Y.
	Howgate, McCleary & Co., Amsterdam, N. Y.
	Thos. L. Leedom & Co., Bristol, Pa.
	Schofield, Mason & Co., Cumberland & N. 5th Sts., Phila., Pa.
	W. T. Smith, N. 3d St. & Lehigh Av., Philadelphia, Pa.
	Samuel White, Columbia Av. near 4th St., Philadelphia, Pa.
	Jos. Wild & Co., Astoria, L. I., N. Y.
H. TAPESTRY RUGS.	Bromley Bros., 1901 E. York St., Philadelphia, Pa.
	Brussels Tapestry Co., Ardsley, N. Y.
	A. Smith & Sons Carpet Co., Yonkers, N. Y.
I. VENETIAN RUGS.	Bromley Bros. & Co., 1901 E. York St., Philadelphia, Pa.
J. WILTON RUGS.	Lowell Mfg. Co., Lowell, Mass.
	Schofield, Mason & Co., Cumberland & N. 5th Sts., Phila., Pa.

	Harrison Townsend, Norristown, Pa.
56. STAIR PADS.	M. H. Marcus & Bro., Baltimore, Md.
	Massasoit Mfg. Co., Fall River, Mass.
	Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.
	Union Carpet Lining Co., 179 Devonshire St., Boston, Mass.
57. STAIR TREADS.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Cleveland Rubber Co., Cleveland, O.
	Goodyear I. R. G. Mfg. Co., 503 Broadway, New York.
	Home Rubber Co., Trenton, N. J.
	Hodgman Rubber Co., 459 Broadway, New York.
	N. Y. Belting & Packing Co., 15 Park Row, New York.
	Northwestern Rubber Co., Chicago, Ill.
	Trenton Rubber Co., Trenton, N. J.

VI. CHEMICALS, DRUGS AND DYES.

58. ACETANILID.	Mallinckrodt Chemical Works, St. Louis, Mo.
	Powers & Weightman, 56 Maiden Lane, New York.
59. ACETONE.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Powers & Weightman 56 Maiden Lane, New York.
	Roessler & Hasslacher, 73 Pine St., New York.
	Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
60. ACIDS.	
A. ACETIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Butterworth & Judson, Newark, N. J.
	Dundee Chemical Works, 17 Cedar St., New York.
	Eastwood Chemical Co., Belleville, N. J.
	Fairfield Chemical Works, 71 Wall St., New York.
	Gridley & Co., 98 Maiden Lane, New York.
	Highlands Chemical Co., 17 Cedar St., New York.
	Henry Killam Co., 1709 Broadway, New York.
	Larkin & Scheffer, St. Louis, Mo.
	Lockwood Chemical Co., 276 Pearl St., New York.
	Mallinckrodt Chemical Co., St. Louis, Mo.
	N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
	N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.
	Nichols Chemical Co., 68 William St., New York.
	Passaic Chemical Co., Newark, N. J.
	Phœnix Chemical Works, ft. 39th St., Brooklyn, N. Y.
	Wm. H. Swift & Co., 45 Pearl St., New York.
	Wando Phosphate Co., Charleston, S. C.
B. ARSENIOUS ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Mallinckrodt Chemical Works, St. Louis, Mo.
C. BENZOIC ACID.	Mallinckrodt Chemical Works, St. Louis, Mo.
D. BORACIC ACID.	H. J. Baker & Bro., 215 Pearl St., New York.
	Johnson & Johnson, 92 William St., New York.
	Mallinckrodt Chemical Works, St. Louis, Mo.
	J. Marsching & Co., Chicago, Ill.
	Chas. Pfizer & Co., 81 Maiden Lane, New York.
	Preservaline Mfg. Co., 35 Broadway, New York.
E. BUTYRIC ACID.	Mallinckrodt Chemical Works, St. Louis, Mo.
	Powers & Weightman, 56 Maiden Lane, New York.
	Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
F. CARBOLIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Mallinckrodt Chemical Co., St. Louis, Mo.
	McKesson & Robbins, 91 Fulton St., New York.
	New York Coal Tar Chemical Co., 10 Warren St., New York.
	St. Louis Coal Tar Co., St. Louis, Mo.
G. CARBOLIC ACID, CRYSTAL.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	H. W. Jayne Chemical Co., 4735 Bermuda St., Philadelphia Pa.
	Larkin & Scheffer, St. Louis, Mo.
	Mallinckrodt Chemical Co., St. Louis, Mo.
	McKesson & Robbins, 91 Fulton St., New York.
	New York Coal Tar Chemical Co., 10 Warren St., New York.
H. CARBONIC ACID, LIQUID.	Chas. Cooper & Co., 194 Worth St., New York.
I. CHROMIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Chas. Cooper & Co., 194 Worth St., New York.

	Mallinckrodt Chemical Co., St. Louis, Mo.
	Powers & Weightman, 56 Maiden Lane, New York.
	Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
J. CITRIC ACID.	W. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
	Chas. Pfizer & Co., 81 Maiden Lane, New York.
	Powers & Weightman, 56 Maiden Lane, New York.
K. GALLIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Drueding Bros., 431 Master St., Philadelphia, Pa.
	Mallinckrodt Chemical Co., St. Louis, Mo.
L. HYDROBROMIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Chas. Cooper & Co., 194 Worth St., New York.
	Mallinckrodt Chemical Co., St. Louis, Mo.
	Powers & Weightman, 56 Maiden Lane, New York.
	Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
M. HYDROCYANIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Chas. Cooper & Co., 194 Worth St., New York.
	Mallinckrodt Chemical Co., St. Louis, Mo.
	Powers & Weightman, 56 Maiden Lane, New York.
	Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
N. HYDROFLUORIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Butterworth & Judson, Newark, N. J.
	Chas. Cooper & Co., 194 Worth St., New York.
	L. Feuchtwanger & Co., 191 Fulton St., New York.
	Mallinckrodt Chemical Co., St. Louis, Mo.
O. LACTIC ACID.	Mallinckrodt Chemical Co., St. Louis, Mo.
	Nelson Chemical Co., Newton Upper Falls, Mass.
P. MURIATIC & NITRIC ACIDS.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Butterworth & Judson, Newark, N. J.
	Chas. Cooper & Co., 194 Worth St., New York.
	W. H. Chappell & Co., St. Louis, Mo.
	Clifton Chemical & Phosphate Co., Atlanta, Ga.
	Dundee Chemical Works, 17 Cedar St., New York.
	Fairfield Chemical Works, 71 Wall St., New York.
	Grasselli Chemical Works, St. Louis, Mo.
	Gridley & Co., 98 Maiden Lane, New York.
	Highlands Chemical Co., 17 Cedar St., New York.
	Lodi Chemical Co., Lodi, N. J.
	Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
	Mallinckrodt Chemical Co., St. Louis, Mo.
	Marsh & Heywood Co., Cleveland, O.
	Jas. L. Morgan & Co., 47 Fulton St., New York.
	National Acid Co., New Orleans, La.
	N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
	Nichols Chemical Co., 68 William St., New York.
	Phœnix Chemical Works, ft. 39th St., Brooklyn, N. Y.
	Powers & Weightman, 56 Maiden Lane, New York.
	Wm. H. Swift & Co., 45 Pearl St., Boston, Mass.
	Standard Guano & Chemical Mfg. Co., New Orleans, La.
Q. OLEIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	McKesson & Robbins, 91 Fulton St., New York.
R. OXALIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Martin Kalbfleisch's Sons, 55 Fulton St., New York.
	Mallinckrodt Chem. Co., St. Louis, Mo.
	N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
	Zucker & Levett Chem. Co., Flushing, L. I., N. Y.
S. PHOSPHORIC ANHYD. ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Chas. Cooper & Co., 194 Worth St., New York.
	Mallinckrodt Chem. Co., St. Louis, Mo.
T. PICRIC ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
U. PYROLIGNEOUS ACID.	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Eastwood Chemical Co., Belleville, N. J.
	N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
	Wm. H. Swift & Co., 45 Pearl St., Boston, Mass.
V. SALICYLIC ACID.	Johnson & Johnson, 92 William St., New York.
	Mallinckrodt Chem. Co., St. Louis, Mo.
	Parke, Davis & Co., Detroit, Mich.
	Wm. Zinsser & Co., 197 William St., New York.
W. SULPHURIC ACID.	Atwood Lead Co., Portland, Me.
	Bergenport Chem. Co., 26 Broadway, New York.
	Billings, Clapp & Co., 165 High St., Boston, Mass.
	Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
	Butterworth & Judson, Newark, N. J.
	W. H. Chappell & Co., St. Louis, Mo.
	Cleveland Dryer Co., Cleveland, O.
	Cochrane Chem. Co., 55 Kilby St., Boston, Mass.

Dundee Chem. Works, 17 Cedar St., New York.
Fairfield Chem. Works, 71 Wall St., New York.
Grasselli Chem. Works, St. Louis, Mo.
Gridley & Co., 98 Maiden Lane, New York.
Highlands Chem. Co., 17 Cedar St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Lodi Chem. Co., Lodi, N. J.
Mallinckrodt Chem. Co., St. Louis, Mo.
Marsh & Harwood Co., Cleveland, O.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Michigan Carbon Works, Detroit, Mich.
Jas. L. Morgan & Co., 47 Fulton St., New York.
National Acid Co., New Orleans, La.
N. Y. Dye-Wood & Chem. Co., 55 Beekman St., New York.
Nichols Chem. Co., 68 William St., New York.
Passaic Chem. Co., Newark, N. J.
Powers & Weightman, 56 Maiden Lane, New York.
T. P. Shepard & Co., Providence, R. I.
Standard Guano & Chem. Mfg. Co., New Orleans, La.
Staten Chem. Co., 32 Liberty St., New York.

X. STEARIC ACID.
Emery Candle Co., Cincinnati, O.
Harkness, Cowing & Co., Eggleston Av., Cincinnati, O.
Proctor & Gamble Co., 3d & Walnut Sts., Cincinnati, O.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

Y. TANNIC ACID.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Chas. Pfizer & Co., 81 Maiden Lane, New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

Z. TARTARIC ACID.
W. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
New York Tartar Co., 106 Wall St., New York.
Chas. Pfizer & Co., 81 Maiden Lane, New York.
Powers & Weightman, 56 Maiden Lane, New York.
W. H. Schieffelin & Co., 170 William St., New York.
Tartar Chem. Co., Jersey City, N. J.
Union Chem. Works, 15 Cedar St., New York.

AA. VALERIANIC ACID.
Mallinckrodt Chem. Works, St. Louis, Mo.

61. ALCOHOL.
R. J. Allen, Son & Co., 1124 Market St., Philadelphia, Pa.
Bay View Distilling Co., San Francisco, Cal.
Calumet Distilling Co., 216 Lake St., Chicago, Ill.
Colburn, Birks & Co., Peoria, Ill.
Chas. Cooper & Co., 194 Worth St., New York.
C. H. Graves & Sons, 35 Hawkins St., Boston, Mass.
N. J. Griffin, 207 N. 2d St., Philadelphia, Pa.
Chas. H. Hahs, 215 N. Broad St., Philadelphia, Pa.
J. B. MacNeal & Co., Baltimore, Md.
Mallinckrodt Chem. Co., St. Louis, Mo.
D. T. Mills & Co., 40 India St., Boston, Mass.
Phœnix Distilling Co., 25 S. Canal St., Chicago, Ill.
L. A. Salomon & Bro., 216 Pearl St., New York.
Jas. A. Webb & Son, 165 Pearl St., New York.
Bayless & Berkalew, Binghamton, N. Y.
Berry Bros., Detroit, Mich.
Buffalo Alcoholene Co., Buffalo, N. Y.
Burcey Chem. Co., Binghamton, N. Y.
Chas. Cooper & Co., 194 Worth St., New York.
Paul A. Davis, Jr., Philadelphia, Pa.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Fernoline Chem. Co., 18 Broadway, New York.
Larkin & Scheffer, St. Louis, Mo.
Mallinckrodt Chem. Co., St. Louis, Mo.
L. A. Salomon & Bro., 216 Pearl St., New York.
Wabash Distillery, Terre Haute, Ind.

A. WOOD ALCOHOL.
Bayless & Berkalew, Binghamton, N. Y.
Buffalo Alcoholene Co., Buffalo, N. Y.
Chas. Cooper & Co., 194 Worth St., New York.
Paul A. Davis, Jr., 136 N. Water St., Philadelphia, Pa.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.
Otto Chem. Works, Williamsport, Pa.
L. A. Salomon & Bro., 216 Pearl St., New York.

62. ALOIN.
Larkin & Scheffer, St. Louis, Mo.
Mallinckrodt Chem. Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, 114 William St., New York.
Powers & Weightman, 56 Maiden Lane, New York.

Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

63. ALKALOIDS.

Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Parke, Davis & Co., Detroit, Mich.

64. ALUM.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Harrison Bros. & Co., 3513 Gray's Ferry Rd., Philadelphia, Pa.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
Nichols Chem. Co., 68 William St., New York.
Penna. Salt Mfg. Co., 115 Chestnut St., Philadelphia, Pa.
Powers & Weightman, 56 Maiden Lane, New York.
Read Drug Co., Ltd., 217 Race St., Philadelphia, Pa.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

65. ALUMINA SULPHATE.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
D. D. Williamson, 14 Dey St., New York.

66. AMALGAMS.

Johnson & Lund, 620 Race St., Philadelphia, Pa.

67. AMMONIA.

A. AMMONIA FOR DOMESTIC USE.

Columbia Chem. Works, 31 Jay St., Brooklyn, N. Y.
Kern Bros., 117 Debevoise St., Brooklyn, N. Y.

B. AQUA AMMONIA.

Atlantic Dynamite Co., 245 Broadway, New York.
Arctic Ice Mfg. Co., Cleveland, O.
Billings, Clapp & Co., 165 High St., Boston, Mass.
B. P. Clapp Ammonia Co., 245 Broadway, New York.
Columbia Chem. Works, 31 Jay St., Brooklyn, N. Y.
Chas. Cooper & Co., 194 Worth St., New York.
Craighead & Kintz Co., Ballard Vale, Mass.
Dundee Chem. Works, 17 Cedar St., New York.
Fairfield Chem. Works, 71 Wall St., New York.
Highlands Chem. Co., 17 Cedar St., New York.
Martin Kalbfleisch's Sons, 55 Fulton St., New York.
Larkin & Scheffer, St. Louis, Mo.
Mallinckrodt Chem., Co., St. Louis, Mo.
Marsh & Harwood Co., Cleveland, O.
Michigan Ammonia Works, Detroit, Mich.
Jas. L. Morgan & Co., 47 Fulton St., New York.
National Ammonia Co., 3618 N. Broadway, St. Louis, Mo.
Nichols Chem. Co., 68 William St., New York.
N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
Northwestern Fertilizing Co., Union Stock Yards, Chicago, Ill.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.
Washington Ammonia & Chem. Co., 245 Broadway, New York.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

C. AMMONIA SALTS.

Atlantic Dynamite Co., 245 Broadway, New York.
H. J. Baker & Bro., 215 Pearl St., New York.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Columbia Chem. Works, 31 Jay St., Brooklyn, N. Y.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Kalion Chem. Co., 31st St. & Gray's Ferry, Philadelphia, Pa.
Mallinckrodt Chem. Co., St. Louis, Mo.
Marsh & Harwood Co., Cleveland, O.
McKesson & Robbins, 91 Fulton St., New York.
Michigan Carbon Works, Detroit, Mich.
Jas. L. Morgan & Co., 47 Fulton St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

68. AMMONIUM SALTS.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Chaskel Chemical Works, 177 Pearl St., New York.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
Parke, Davis & Co., Detroit, Mich.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Phila., Pa.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.

69. ANILINE COLORS & DYES.

Beach & Co., Hartford, Conn.
T. H. Eaton & Son, Detroit, Mich.
Heller & Merz Co., 55 Maiden Lane, New York.
Hudson River Aniline & Color Wks., Albany, N. Y.
Kalle & Co., 172 Pearl St., New York.
A. Klipstein, 134 Milk St., Boston, Mass.
Lutz & Movius, 15 Warren St., New York.

Wm. J. Matheson & Co., 178 Front St., New York.
Theo. Metcalf & Co., 39 Tremont St., Boston, Mass.
Walpole Dye & Chem. Co., 117 Milk St., Boston, Mass.
Wells & Richardson Co., Burlington, Vt.

70. ANODYNE, HOFFMAN'S.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Sharp & Dohme, Baltimore, Md.
Mallinckrodt Chem. Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, 114 William St., New York.

71. ANTIMONY SALTS.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
A. De Ronda & Co., 12 Cedar St., New York.
Dundee Chem. Wks., 17 Cedar St., New York.
Highlands Chem. Co., 17 Cedar St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
N. Y. Dye-Wood & Chem. Co., 55 Beekman St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

72. APIOL.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

73. ARSENIC.
Mallinckrodt Chem. Co., St. Louis, Mo.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

74. BARIUM SALTS.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Hecla Chemical Works, Springfield, Mass.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

75. BARYTA SALTS.
Chas. Cooper & Co., 194 Worth St., New York.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

76. BISMUTH SALTS.
Mallinckrodt Chem. Co., St. Louis, Mo.

77. BLUE MASS.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.
Lehn & Fink, 128 William St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
McKesson & Robbins, 91 Fulton St., New York.
N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.
Parke, Davis & Co., Detroit, Mich.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.

78. BORAX.
H. J. Baker & Bro., 215 Pearl St., New York.
Columbus Borax Co., Columbus, Nev.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Enos F. Jones Chem. Co., 176 Duane St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
Pacific Borax Co., San Francisco, Cal.
Chas. Pfizer & Co., 81 Maiden Lane, New York.
Preservaline Mfg. Co., 35 Broadway, New York.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

79. BROMINE.
J. J. Juhler, Pomeroy, O.
Mallinckrodt Chem. Co., St. Louis, Mo.
Michigan Bromine & Chem. Co., Midland, Mich.
United States Chem. Co., Clifton, W. Va.

80. BROMOFORM.
Mallinckrodt Chem. Co., St. Louis, Mo.

81. CADMIUM SALTS.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.

82. CAFFEINE.
Keasby & Mattison, Ambler, Pa.
Mallinckrodt Chem. Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, 114 William St., New York.

83. CALCIUM SALTS.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

84. CALOMEL.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

85. CAMPHOR, REFINED.
H. J. Baker & Bro., 215 Pearl St., New York.
Johnson & Johnson, 92 William St., New York.
Enos F. Jones Chem. Works, 76 Duane St., New York.
Lyon Mfg. Co., 59 5th Av., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
Chas. Pfizer & Co., 81 Maiden Lane, New York.
Chas. H. Phillips Chem. Co., Stamford, Conn.
Powers & Weightman, 56 Maiden Lane, New York.

Rosengarten & Sons, 17th and Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.

86. CAPSULES, GELATINE.
American Star Capsule Works, 221 Canal St., New York.
Dundas, Dick & Co., 112 White St., New York.
Hall Capsules Co., Covington, Ky.
F. A. Hubel, Detroit, Mich.
Parke, Davis & Co., Detroit, Mich.
H. Planten & Son, 224 William St., New York.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.

87. CARBON BISULPHIDE.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

88. CHLOROFORM.
Edw. R. Taylor, Cleveland, O.
Larkin & Scheffer, St. Louis, Mo.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Roessler & Hasslacher, 73 Pine St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

89. CHROME OXIDE.
Chas. Cooper & Co., 194 Worth St., New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.

90. CINCHONA, ALKALOIDS & SALTS.
Keasby & Mattison, Ambler, Pa.
N. Y. Quinine & Chem. Works, 114 William St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Phila., Pa.
W. H. Schieffelin & Co., 170 William St., New York.

91. CHINOIDINE.
Keasby & Mattison, Ambler, Pa.
McKesson & Robbins, 91 Fulton St., New York.

92. COBALT.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

93. COCAINE.
C. F. Bœhringer & Soehne, 15 Cedar St., New York.
Mallinckrodt Chem. Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, 114 William St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

94. COCOA BUTTER.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.

95. CODEINE.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

96. COLLODION.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Larkin & Scheffer, St. Louis, Mo.
Mallinckrodt Chem. Co., St. Louis, Mo.
McKesson & Robbins, 91 Fulton St., N. Y.
N. Y. Quinine & Chem. Works, 114 William St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.

97. COLOCYNTH.
Drueding Bros., 431 Master St., Philadelphia, Pa.

98. COLOGNE SPIRIT.
Calumet Distilling Co., 216 Lake St., Chicago, Ill.
C. H. Graves & Son, 35 Hawkins St., Boston, Mass.
Phœnix Distilling Co., 25 S. Canal St., Chicago, Ill.
Jas. A. Webb & Son, 165 Pearl St., New York.

99. COMPOUND CITRATES.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
N. Y. Quinine & Chem. Works, 114 William St., New York.
Parke, Davis & Co., Detroit, Mich.

100. COPPER SALTS.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Butterworth & Judson, Newark, N. J.
Chas. Cooper & Co., 194 Worth St., New York.
A. De Ronde & Co., 12 Cedar St., New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Grasselli Chem. Works, St. Louis, Mo.
Highlands Chem. Co., 17 Cedar St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Nichols Chem. Co., 68 William St., New York.
Penna. Salt Mfg. Co., 115 Chestnut St., Philadelphia, Pa.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

101. COPPERAS.
Atlantic Dynamite Co., 245 Broadway, New York.
Ferric Chem. & Color Co., Worcester, Mass.
Gridley & Co., 98 Maiden Lane, New York.

Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Marsh & Harwood Co., Cleveland, O.
Passaic Chemical Co., Newark, N. J.
Powers & Weightman, 56 Maiden Lane, New York.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

102. CREAM TARTAR.
California & Pac. Cream of Tartar Works, San Francisco, Cal.
W. L. Graves & Co., 209 N. Front St., Philadelphia, Pa.
New York Tartar Co., 106 Wall St., New York.
Chas. Pfizer & Co., 81 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Rumford Chem. Works, Providence, R. I.
Stickney & Poor, 295 State St., Boston, Mass.
Tartar Chemical Co., Jersey City, N. J.
Thompson & Taylor Spice Co., 30 S. Water St., Chicago, Ill.
S. H. Tyler & Son, San Francisco, Cal.
Union Chem. Works, 15 Cedar St., New York.
Wood & Selick, 49 Jay St., New York.

103. CREOSOTE.
Samuel Cabot, Jr., Chelsea, Mass.
Mallinckrodt Chem. Co., St. Louis, Mo.
New York Coal Tar Chem. Co., 10 Warren St., New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Rumford Chemical Works, Providence, R. I.

104. CURCUMA.
N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.

105. CUTCH, REFINED.
J. M. Sharpless & Co., 20 N. Front St., Philadelphia, Pa.

106. DIGESTIVE FERMENTS.
Fairchild Bros. & Foster, 82 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.

107. DISINFECTANTS.
W. H. H. Childs, 73 Maiden Lane, New York.
Clarke Chemical Works, Springfield, O.
John Crosher, 68 Vesey St., New York.
Egyptian Chemical Co., 15 Foster's Wharf, Boston, Mass.
Forest City Chemical Co., Cleveland, O.
Parke, Davis & Co., Detroit, Mich.
Henry B. Platt, 36 Platt St., New York.
Southwick Bros., 4 Cedar St., New York.

108. DYES AND DYESTUFFS.
American Mfg. Co., Waynesboro, Pa.
Banning, Bissell & Co., 96 Reade St., New York.
Beach & Co., Hartford, Conn.
Browning & Bros., 42 N. Front St., Philadelphia, Pa.
Cochrane Chemical Co., 55 Kilby St., Boston, Mass.
L. Crawford & Co., Chase's Lake, N. Y.
Heller & Merz Co., 55 Maiden Lane, New York.
Ivins & Co., Poughkeepsie, N. Y.
W. G. Johnson, Uncasville, Conn.
Jno. J. Keller & Co., 39 Beaver St., New York.
N. Y. Dye-Wood, Ex. & Chem. Co., 55 Beekman St., New York.
Wm. B. Rider, Providence, R. I.
J. M. Sharpless & Co., 20 N. Front St., Philadelphia, Pa.
Stamford Mfg. Co., 157 Maiden Lane, New York.
Talbot Dye-Wood & Chemical Co., Lowell, Mass.
Wells & Richardson Co., Burlington, Vt.
Whitney & Mott, Millbury, Mass.

109. EIKONOGEN.
Mallinckrodt Chemical Co., St. Louis, Mo.

110. ELIXIRS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
Caswell, Massey & Co., 1121 Broadway, New York.
Fairchild Bros. & Foster, 82 Fulton St., New York.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
B. Keith & Co., 75 William St., New York.
McKesson & Robbins, 91 Fulton St., New York.
J. E. Moore, Albany, N. Y.
Parke, Davis & Co., Detroit, Mich.
Wm. B. Riker & Sons, 585 Washington St., New York.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.
Wheeler Chemical Works, 145 Lake St., Chicago, Ill.

111. EMULSIONS.
Caswell, Massey & Co., 1121 Broadway, New York.
Geo. C. Frye, Portland, Me.
J. A. Magee & Co., Lawrence, Mass.
McKesson & Robbins, 91 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.
Chas. H. Phillips Chemical Co., Stamford, Conn.
Wm. B. Riker & Son, 585 Washington St., New York.
Scott & Bowne, 132 S. 5th Av., New York.
Sharp & Dohme, Baltimore, Md.

112. ERGOTOLE.
McKesson & Robbins, 91 Fulton St., New York.
Sharp & Dohme, Baltimore, Md.

113. ETHER.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chaskel Chemical Works, 177 Pearl St., New York.
Chas. Cooper & Co., 194 Worth St., New York.
L. A. Eberhardt, 227 Pearl St., New York.
Larkin & Scheffer, St. Louis, Mo.
Mallinckrodt Chemical Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.
Edward R. Squibb, 36 Doughty St., Brooklyn, N. Y.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.

114. ETHYL SALTS.
Chas. Cooper & Co., 194 Worth St., New York.
Powers & Weightman, 56 Maiden Lane, New York.

115. EXALGINE.
McKesson & Robbins, 91 Fulton St., New York.

116. EXPECTORANTS.
Wm. B. Riker & Son, 585 Washington St., New York.

117. EXTRACTS, MEDICINAL.

A. BARK EXTRACTS.
Acme Extract Co., Ltd., Wilmington, Del.
American Extract Co., Port Alleghany, Pa.
American Oak & Extract Co., New Decatur, Ala.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
J. P. Bush Mfg. Co., 2 Barclay St., New York.
Daguscahonda Extract Works, Daguscahonda, Pa.
Keasby & Mattison, Ambler, Pa.
J. S. Young & Co., Hanover, Pa.

B. BAY RUM.
Caswell, Massey & Co., 1121 Broadway, New York.
Chaskel Chemical Works, 177 Pearl St., New York.
Clifford Perfume Mfg. Co., 2 Harvard St., Boston, Mass.
Arthur Fricke, 218 Arch St., Philadelphia, Pa.
Penn. Chemical Mfg. Co., 514 S. 3d St., Philadelphia, Pa.
W. H. Rudkin, 74 William St., New York.
Tyler & Finch, 54 Cedar St., New York.

C. BEEF EXTRACTS.
Calumet Canning Co., Hammond, Ind. *84
M. S. Valentine, Richmond, Va.

D. FLUID EXTRACTS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Bastine & Co., 41 Warren St., New York.
N. K. Brown, Burlington, Vt.
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
Jos. Burnett & Co., 27 Canal St., Boston, Mass.
Caswell, Massey & Co., 1121 Broadway, New York.
J. K. Cook & Co., 12 Cortlandt St., New York.
Crandall & Godley, 157 Franklin St., New York.
Hamell & Cortright, 25 S. Front St., Philadelphia, Pa.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Horlick's Food Co., Racine, Wis.
Hughes Bros. Mfg. Co., Dallas, Texas.
Keasby & Mattison, Ambler, Pa.
Lanman & Kemp, 68 William St., New York.
Eli Lilly & Co., Indianapolis, Ind.
Maltine Mfg. Co., 54 Warren St., New York.
Maurice Baker & Co., Portland, Me.
McKesson & Robbins, 91 Fulton St., New York.
J. E. Moore, Albany, N. Y.
Parke, Davis & Co., Detroit, Mich.
Pond's Extract Co., 76 5th Av., New York.
Read Drug Co., Ltd., 217 Race St., Philadelphia, Pa.
Wm. B. Riker & Son, 585 Washington St., New York.
W. H. Schieffelin & Co., 170 William St., New York.
Scott Bros., Lyons, N. Y.
Sharp & Dohme, Baltimore, Md.
Robt. Shoemaker & Co., 4th & Race Sts., Philadelphia, Pa.
Frederick Stearns & Co., Detroit, Mich.
Stickney & Poor, 205 State St., Boston, Mass.
Henry Thayer & Co., Cambridgeport, Mass.
Trommer Extract of Malt Co., Fremont, O.
Wheeler Chemical Works, 145 Lake St., Chicago, Ill.
Wiley & Wallace Co., 123 N. 7th St., Philadelphia, Pa.
Jno. Wyeth & Bro., 1416 Walnut St., Philadelphia, Pa.

E. SOLID EXTRACTS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
McKesson & Robbins, 91 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.

Frederick Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.
Wheeler Chemical Works, 145 Lake St., Chicago, Ill.

F. TINCTURES.

Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Fairchild Bros. & Foster, 82 Fulton St., New York.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
B. Keith & Co., 75 William St., New York.
Eli Lilly & Co., Indianapolis, Ind.
McKesson & Robbins, 91 Fulton St., New York.
Sharp & Dohme, Baltimore, Md.
W. H. Schieffelin & Co., 170 William St., New York.
Spurlock, Neal & Co., 108 N. Market St., Nashville, Tenn.

118. FUSTIC, GROUND.

Wm. B. Ryder, Providence, R. I.

119. GLYCERINE.

American Glycerine Co., 3d & Walnut Sts., Cincinnati, O.
R. W. Bell Mfg. Co., Buffalo, N. Y.
Butterworth & Judson, Newark, N. J.
Emery Candle Co., Cincinnati, O.
A. Goss & Co., 75 Murray St., New York.
Jos. Glatz, Kent Av., Brooklyn, N. Y.
Goodwin Mfg. Co., 1920 Poplar St., St. Louis, Mo.
Grasselli Chemical Co., 3000 N. 2d St., St. Louis, Mo.
Harkness-Cowing Co., Eggleston Av., Cincinnati, O.
Heuter Bros. & Co., San Francisco, Cal.
D. Webster King Glue Co., 168 High St., Boston, Mass.
J. S. Kirk & Co., 360 N. Water St., Chicago, Ill.
Laist & Hochstetter, Providence St., Cincinnati, O.
Marsh & Harwood Co., Cleveland, O.
Marx & Rawolle, 163 William St., New York.
N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.
Proctor & Gamble, 3d & Walnut Sts., Cincinnati, O.
W. & H. Walker, Pittsburgh, Pa.
M. Werk Co., 11 Main St., Cincinnati, O.

A. GLYCERINE, FOR NITRO.

Fairfield Chemical Works, 71 Wall St., New York.
D. Webster King Glue Co., 168 High St., Boston, Mass.
Marx & Rawolle, 163 William St., New York.
Proctor & Gamble, 3d & Walnut Sts., Cincinnati, O.

120. GLYCERATES.

Caswell, Massey & Co., 1121 Broadway, New York.
Parke, Davis & Co., Detroit, Mich.
Sharp & Dohme, Baltimore, Md.

121. GOLD CHLORIDE.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Phillips & Jacobs, 622 Race St., Philadelphia, Pa.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

122. GOLD OXIDE.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

123. HOMŒOPATHIC MEDICINES.

Boericke & Tafel, 145 Grand St., New York.
Humphrey's Homœopathic Med. Co., 111 William St. New York.

124. INCENSE.

Clifford & Co., 315 Washington St., Boston, Mass.

125. INFANT AND INVALID FOODS.

J. P. Bush Mfg. Co., 2 Barclay St., New York.
Doliber-Goodale Co., 40 Central Wharf, Boston, Mass.
Franco-American Food Co., 101 Warren St., New York.
Horlick's Food Co., Racine, Wis.
Malted Milk Co., Racine, Wis.
Reed & Carnrick, 447 Greenwich St., New York.
Henry Thayer & Co., Cambridgeport, Mass.
Wells & Richardson Co., Burlington, Vt.
Woolrich & Co., Palmer, Mass.

126. IODINE.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.
Mallinckrodt Chem. Co.. St. Louis, Mo.
Powers & Weightman, 9th & Parrish Sts., Philadelphia, Pa.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

127. IDODOFORM.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.
Mallinckrodt Chem. Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

128. IRON LIQUORS.

Eastwood Chemical Co., Belleville, N. J.

Lodi Chemical Co., Lodi, N. J.
Mallinckrodt Chemical Co., St. Louis, Mo.
N. Y. Dye-Wood, Ext. & Chem. Co., 55 Beekman St., New York.
Wm. H. Swift & Co., 45 Pearl St., Boston, Mass.

29. IRON SALTS.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Butterworth & Judson, Newark, N. J.
Chas. Cooper & Co., 194 Worth St., New York.
Dundee Chem. Works, 17 Cedar St., New York.
A. De Ronde & Co., 12 Cedar St., New York.
Ferric Chemical & Color Co., Worcester, Mass.
Gridley & Co., 98 Maiden Lane, New York.
Highlands Chemical Co., 17 Cedar St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Jas. L. Morgan & Co., 47 Fulton St., New York.
N. Y. Dye-Wood, Ext. & Chem. Co., 55 Beekman St., New York.
N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa
Edwin R. Taylor, Cleveland, O.
Zucker & Levett Chemical Co., Flushing L. I., N. Y.

130. LEAD SALTS.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
A. De Ronde & Co., 12 Cedar St., New York.
Lockwood Chemical Co., Ltd., 276 Pearl St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
McKesson & Robbins, 91 Fulton St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Wm. H. Swift & Co., 45 Pearl St., Boston, Mass.

131. LEPTANDRIN.

Geo. R. Fuller, Rochester, N. Y.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.

132. LICORICE.

Macandrews & Forbes, 55 Water St., New York.
Mellor & Rittenhouse Co., 214 N. 22d St., Philadelphia, Pa.
Read Drug Co., Ltd., 217 Race St., Philadelphia, Pa.
Stamford Mfg. Co., 157 Maiden Lane, New York.

A. GROUND LICORICE.

S. V. & F. P. Scudder, 4 Cedar St., New York.
Woolson Spice Co., Toledo, O.

B. STICK LICORICE.

W. G. Dean & Son, 361 Washington St., New York.
Young & Smilie, 54 S. 5th St., Brooklyn, N. Y.

133. LIME SALTS.

Bayles & Berkalew, Binghamton, N. Y.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Drueding Bros., 431 Master St., Philadelphia, Pa.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Michigan Carbon Works, Detroit, Mich.
Passaic Chemical Co., Newark, N. J.
U. S. Chemical Co., Clifton, W. Va.
D. D. Williamson, 14 Dey St., New York.

134. LITHIUM SALTS.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

135. LUNAR CAUSTIC.

Jas. F. Magee & Co., 622 Race St., Philadelphia, Pa.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 9th & Parrish Sts., Philadelphia, Pa.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

136. MAGNESIUM SALTS.

H. J. Baker & Bro., 215 Pearl St., New York.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
Chas. Cooper & Co., 194 Worth St., New York.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
W. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
Thos. J. Husband, Philadelphia, Pa.
Keasby & Mattison, Ambler, Pa.
McKesson & Robbins, 91 Fulton St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
D. D. Williamson, 14 Dey St., New York.

137. MANGANESE SALTS.

Billings, Clapp & Co., 165 High St., Boston, Mass.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

138. MANNITE.
N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.

139. MENTHOL.
Mallinckrodt Chemical Co., St. Louis, Mo.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
John Wyeth & Bro., 1100 S. 11th St., Philadelphia, Pa.

140. MERCURY SALTS.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

141. METHYL.
L. A. Salomon & Bro., 216 Pearl St., New York.

142. MORPHINE.
McKesson & Robbins, 91 Fulton St., New York.
N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.
Powers & Weightman, 9th & Parrish Sts., Philadelphia, Pa.
Rosengarten & Sons, 1700 Fitzwater St., Philadelphia, Pa.
E. R. Squibb, 36 Doughty St., Brooklyn, N. Y.

143. NICKEL SALTS.
Chas. Cooper & Co., 194 Worth St., New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

144. NITROUS OXIDE, LIQUEFIED.
S. S. White Dental Mfg. Co., Chestnut St. cor. 12th, Phila., Pa.

145. OILS.

A. CASTOR OIL.
H. J. Baker & Bro., 215 Pearl St., New York
The Centaur Co., 77 Murray St., New York.
Collier White Ld. & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Lovell, Tracy & Co., Hartford, Conn.
Reed, Hall & Hewlett, 20 Platt St., New York.
Scott & Bowne, 132 S. 5th Av., New York.

B. COD LIVER OIL.
Billings, Clapp & Co., 165 High St., Boston, Mass.
L. M. Haskins & Co., 176 Atlantic Av., Boston, Mass.
Keasby & Mattison, Ambler, Pa.
Lanman & Kemp, 68 William St., New York.
Marvin Bros. & Bartlett, Portsmouth, N. H.
Parke, Davis & Co., Detroit, Mich.
Reed & Carnrick, 447 Greenwich St., New York.
Alex. B. Wilbur, 854 Washington St., Boston, Mass.

C. COGNAC OILS.
Chaskel Chemical Works, 177 Pearl St., New York.
W. H. Rudkin, 74 William St., New York.
J. Roemheld & Co., 204 S. Halsted St., Chicago, Ill.

D. ESSENTIAL OILS.
Leo Bernard, 288 Pearl St., New York.
Chaskel Chemical Works, 177 Pearl St., New York.
E. E. Dickinson & Co., Essex, Conn.
L. A. Eberhardt, 227 Pearl St., New York.
Alex. Fries & Bros., 92 Reade St., New York.
Chas. E. Hires, 117 Arch St., Philadelphia, Pa.
B. Keith & Co., 75 William St., New York.
Ladd & Coffin, 24 Barclay St., New York.
Wm. J. Matheson & Co., 178 Front St., New York.
McKesson & Robbins, 91 Fulton St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Reed Drug Co., 217 Race St., Philadelphia, Pa.
W. H. Rudkin, 74 William St., New York.
A. A. Stilwell, 103 William St., New York.
A. M. Todd, Nottana, Mich.
Richard D. Young, 100 William St., New York.

E. FRUIT OILS
Chaskel Chemical Works, 177 Pearl St., New York.
A. D. Puffer & Sons Mfg. Co., 38 Portland St., Boston, Mass.
W. H. Rudkin, 74 William St., New York.
A. A. Stilwell, 103 William St., New York.

F. FUSEL OIL.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

G. HOOF OIL.
Vacuum Oil Co., Rochester, N. Y.

146. OLEATES.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill.
McKesson & Robbins, 91 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Wheeler Chemical Works, 145 Lake St., Chicago, Ill.

147. OLEO-RESINS.
B. Keith & Co., 75 William St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

Sharp & Dohme, Baltimore, Md.
Henry Thayer & Co., Cambridgeport, Mass.

148. OPIUM ALKALOIDS & SALTS.

N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.
Robt. Shoemaker & Co., 4th & Race Sts., Philadelphia, Pa.

149. OX GALL.

Chas. Cooper & Co., 194 Worth St., New York.
McKesson & Robbins, 91 Fulton St., New York.

150. PANCREATIN.

Fairchild Bros. & White, 82 Fulton St., New York.
Keasby & Mattison, Ambler, Pa.
McKesson & Robbins, 91 Fulton St., New York.
N. Y. & Chicago Chemical Co., 96 Maiden Lane, New York.
Parke, Davis & Co., Detroit, Mich.
Penn. Chemical Mfg. Co., 514 S. 3d St., Philadelphia, Pa.

151. PEPSIN.

Fairchild Bros. & Foster, 82 Fulton St., New York.
Carl L. Jensen Co., 100 Maiden Lane, New York.
Keasby & Mattison, Ambler, Pa.
McKesson & Robbins, 91 Fulton St., New York.
J. E. Moore, Albany, N. Y.
N. Y. & Chicago Chemical Co., 96 Maiden Lane, New York.
Chas. H. North & Co., 33 N. Market St., Boston, Mass.
Parke, Davis & Co., Detroit, Mich.
Penn. Chemical Mfg. Co., 514 S. 3d St., Philadelphia, Pa.
E. Scheffer, Louisville, Ky.
W. H. Schieffelin & Co., 170 William St., New York.
Smith & Kline Co., 429 Arch St., Philadelphia, Pa.
Fredk. Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.

152. PHARMACEUTICAL PREPARATIONS.

Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
R. J. Baker & Co., Baltimore, Md.
Baker Bros. & Co., Baltimore, Md.
Benton, Myers & Co., Cleveland, O.
Boykin, Carmer & Co., Baltimore, Md.
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
Calumet Canning Co., Hammond, Ind. *84
C. P. Calvert & Co., Cincinnati, O.
Caswell, Massey & Co., 1121 Broadway, New York.
Dundas, Dick & Co., 112 White St., New York.
Fairchild Bros. & Foster, 82 Fulton St., New York.
R. W. Gardner, 158 William St., New York.
Gilbert Bros. & Co., Baltimore, Md.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Geo. K. Hopkins & Co., 209 N. 2d St., St. Louis, Mo.
O. S. Janney & Co., 70 Kilby St., Boston, Mass.
Kauffman, Latimer & Co., Columbus, O.
B. Keith & Co., 75 William St., New York.
Geo. A. Kelley & Co., Pittsburgh, Pa.
Krembs & Co., 183 W. Randolph St., Chicago, Ill.
Lehn & Fink, 128 William St., New York.
Eliel Lyman Drug Co., Minneapolis, Minn.
McKesson & Robbins, 91 Fulton St., New York.
Wm. S. Merrill Chemical Co., Cincinnati, O.
T. C. Morgan & Co., 32 Pearl St., New York.
Muth Bros. & Co., Baltimore, Md.
Newhouse & Co., Louisville, Ky.
New York Pharmacal Association, 6 Harrison St., New York.
Orr, Brown & Price, Columbus, O.
Parke, Davis & Co., Detroit, Mich.
Patterson & Prudy, 158 William St., New York.
Chas. H. Phillips Chemical Co., Stamford, Conn.
Poor, Towne & Co., 29 India St., Boston, Mass.
Reed & Carnrick, 447 Greenwich St., New York.
Richardson-Taylor Medicine Co., 302 S. 4th St., St. Louis, Mo.
Wm. B. Riker & Son, 585 Washington St., New York.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Smith & Shakman, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.
Tarrant & Co., 278 Greenwich St., New York.
Chas. Truax & Co., 75 Wabash Av., Chicago, Ill.
Tyler & French, 54 Cedar St., New York.
C. A. Vogeler & Co., Baltimore, Md.
West & Truax, Toledo, O.
S. H. Wetmore & Co., 242 Pearl St., New York.
Wiley & Wallace Co., 123 N. 7th St., Philadelphia, Pa.

Woodward, Faxon & Co., Kansas City, Mo.
John Wyeth & Bro., 1100 S. 11th St., Philadelphia, Pa.

A. OINTMENTS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Lanman & Kemp, 68 William St., New York.
N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.
W. H. Schieffelin & Co., 128 William St., New York.

153. PHOSPHORUS.
Mallinckrodt Chemical Co., St. Louis, Mo.
Chas. Pfizer & Co., 81 Maiden Lane, New York.

154. PILLS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Dundas, Dick & Co., 112 White St., New York.
Keasby & Mattison, Ambler, Pa.
Geo. Leis, Lawrence, Kan.
McKesson & Robbins, 91 Fulton St., New York.
August Nittinger, Sr., 826 N. 4th St., Philadelphia, Pa.
Parke, Davis & Co., Detroit, Mich.
Powers & Weightman, 56 Maiden Lane, New York.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.
Upjohn Pill & Granule Co., Kalamazoo, Mich.
Wheeler Chemical Works, 745 Lake St., Chicago, Ill.
John Wyeth & Bro., 1100 S. 11th St., Philadelphia, Pa.

A. COATED PILLS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
Fraser Tablet Triturate Mfg. Co., 17 Vandewater St., New York.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Wiley Harris, 123 N. 7th St., Philadelphia, Pa.
B. Keith & Co. 75 William St., New York.
J. E. Moore, Albany, N. Y.
Parke, Davis & Co., Detroit, Mich.
Sharp & Dohme, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.
John Wyeth & Bro., 1100 S. 11th St., Philadelphia, Pa.

B. GELATINE COATED PILLS.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Wiley Harris, 123 N. 7th St., Philadelphia, Pa.
McKesson & Robbins, 91 Fulton St., New York.
J. E. Moore, Albany, N. Y.
Parke, Davis & Co., Detroit, Mich.
Sharp & Dohme, Baltimore, Md.

C. GRANULES.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Wiley Harris, 123 N. 7th St., Philadelphia, Pa.
McKesson & Robbins, 91 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.
Upjohn Pill & Granule Co., Kalamazoo, Mich.

155. PLASTERS, MEDICINAL.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
J. K. Cook & Co., 12 Cortlandt St., New York.
Grosvenor & Richards, 108 Water St., Boston, Mass.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
T. W. Heineman, 34 W. Monroe St., Chicago, Ill.
Johnson & Johnson, New Brunswick, N. J.
J. E. Moore, Albany, N. Y.
McKesson & Robbins, 91 Fulton St., New York.
Novelty Plaster Works, Lowell, Mass.
Parke, Davis & Co., Detroit, Mich.
Porous Plaster Co. of Sing Sing, 30 Howard St., New York.
Seabury & Johnson, 21 Platt St., New York.
W. A. Schieffelin & Co., 170 William St., New York.
Geo. A. Scott, 842 Broadway, New York.
Fredk. Stearns & Co., Detroit, Mich.
W. T. Valentine & Co., Albany, N. Y.

A. COURT PLASTERS.
The Deane Plaster Co., 21 Dey St., New York.
J. E. Moore, Albany, N. Y.
W. T. Valentine & Co., Albany, N. Y.

156. PLATINUM SALTS.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

157. PODOPHYLLIN.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.

158. POTASH.
J. Eavenson & Sons, 31 N. 2d St., Philadelphia, Pa.
Nicholas Mans, Trenton, Mich.

Penn. Salt Mfg. Co., 115 Chestnut St., Philadelphia, Pa.
John Shock, Waldenberg, Mich.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

A. AMMONIATED POTASH.
J. O. Draper & Co., Pawtucket, R. I.
E. N. Hall, 91 Wall St., New York.
Enos F. Jones Chemical Co., 176 Duane St., New York.
New York Chemical Works, 102 Reade St., New York.

B. CAUSTIC POTASH.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Powers & Weightman, 56 Maiden Lane, New York.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

C. PEARL ASH.
Enos F. Jones Chemical Co., 176 Duane St., New York.
Wing & Evans, 54 William St., New York.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

159. POTASSIUM SALTS.
H. J. Baker & Bro., 215 Pearl St., New York.
Battelle & Renwick, 163 Front St., New York.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Henry V. Davis Chemical Works New Bedford, Mass.
W. Davison & Co., Baltimore, Md.
E. R. Durkee & Co., 137 Water St., New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Grasselli Chemical Works, 3000 N. 2d St., St. Louis, Mo.
J. B. Hendrickson, 26 Cedar St., New York.
Imperial Fertilizer Co., Charleston, S. C.
Enos F. Jones Chemical Co., 176 Duane St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Kalion Chemical Co., Gray's Ferry Rd. & S. 31st St., Phila., Pa.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.
Mallinckrodt Chemical Co., St. Louis, Mo.
McKesson & Robbins, 91 Fulton St., New York.
Jas. L. Morgan & Co., 47 Fulton St., New York.
N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.
Powers & Weightman, 9th & Parrish Sts., Philadelphia, Pa.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.
Zucker & Levett Chemical Co., 40 Murray St., New York.

160. PROPRIETARY MEDICINES.
Dr. J. C. Ayer & Co., Lowell, Mass.
Bush, Bagby & Co., Louisville, Ky.
H. H. Clark & Co., Mendota, Ill.
Centaur Co., 77 Murray St., New York.
C. N. Crittenton, 115 Fulton St., New York.
Declat Mfg. Co., 47 Murray St., New York.
Ely Bros., 56 Warren St., New York.
Fairchild Bros. & Foster, 82 Fulton St., New York.
Fleming Bros., Pittsburgh, Pa.
Freeman Hiscox, 853 Broadway, New York.
G. G. Green, Woodbury, N. J.
Dr. Hendershott Med. Co., Nashville, Tenn.
Hostetter & Co., Pittsburgh, Pa.
Geo. Leis, Lawrence, Kan.
Lyman Bros., 168 Duane St., New York.
Radway & Co., 32 Warren St., New York.
D. Ransom, Son & Co., Buffalo, N. Y.
Rumford Chemical Works, Providence, R. I.
Scott & Bowne, 132 S. 5th Av., New York.
Spurlock, Neal & Co., Nashville, Tenn.
Frederick Stearns & Co., Detroit, Mich.
W. H. Tutt, 59 Park Place, New York.
Chas. A. Vogeller Co., Baltimore, Md.
H. H. Warner & Co., Rochester, N. Y.
Wells & Richardson & Co., Burlington, Vt.

A. ACID PHOSPHATE.
Nichols Chemical Co., 68 William St., New York.
Parke, Davis & Co., Detroit, Mich.
Rumford Chemical Works, Providence, R. I.

B. TROCHES.
N. K. Brown, Burlington, Vt.
John I. Brown & Son, 185 Summer St., Boston, Mass.

C. VERMIFUGE.
B. S. Fahnestock, Pittsburgh, Pa.

161. QUASSIA CUPS.
R. B. Warren & Son, Plainville, Conn.

162. QUININE SALTS.
McKesson & Robbins, 91 Fulton St., New York.
N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.
Powers & Weightman, 9th & Parrish Sts., Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., 73 Pine St., New York.
Rosengarten & Son, 17th & Fitzwater Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.

163. RED LIQUOR.
Eastwood Chemical Co., Belleville, N. J.

Lodi Chemical Co., Lodi, N. J.
N. Y. Dye-Wood, Ext. & Chem. Co., 55 Beekman St., New York.

164. RESINOIDS.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
B. Keith & Co., 75 William St., New York.
Sharp & Dohme, Baltimore, Md.
Henry Thayer & Co., Cambridgeport, Mass.
Wheeler Chemical Works, 145 Lake St., Chicago, Ill.

165. SAL-AMMONIAC.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Zucker & Levett Chem. Co., Flushing, L. I., N. Y.

166. SAL ENIXUM.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.

167. SALERATUS.
Church & Co., 129 Pearl St., New York.
John Dwight & Co., 11 Old Slip, New York.
Enos F. Jones Chemical Co., 176 Duane St., New York.
J. Monroe Taylor Chemical Co., 113 Water St., New York.

168. SALTS, MEDICINAL.
Chaskel Chemical Works, 177 Pearl St., New York.
Chas. Cooper & Co., 194 Worth St., New York.
Wm. Davison & Co., Baltimore, Md.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Highlands Chemical Co., 17 Cedar St., New York.
W. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Lodi Chemical Co., Lodi, N. J.
McKesson & Robbins, 91 Fulton St., New York.
Nichols Chemical Co., 68 William St., New York.
Parke, Davis & Co., Detroit, Mich.
Chas. Pfizer & Co., 81 Maiden Lane, New York.
Powers & Weightman, 56 Maiden Lane, New York.
Savage & Slovell, Pierce & E. Orthodox Sts., Philadelphia, Pa.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
A. L. Thomsen, Baltimore, Md.

169. SANTONIN.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Larkin & Scheffer, Anna & Main Sts., St, Louis, Mo.
Mallinckrodt Chemical Co., St. Louis, Mo.
N. Y. Quinine & Chem. Works, Ltd., 114 William St., New York.

170. SARSAPARILLA.
Dr. J. C. Ayer & Co., Lowell, Mass.
C. I. Hood & Co., Lowell, Mass.
Lanman & Kemp, 68 William St., New York.
Wm. B. Riker & Son, 585 Washington St , New York.
Seeley Mfg. Co., Detroit, Mich.
G. B. Seeley's Sons, 319 W. 3d St., New York.
Ara Warren & Co., Bangor, Me.

171. SILVER SALTS.
Chas. Cooper & Co., 194 Worth St., New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

172. SODA.
John Dwight & Co., 11 Old Slip, New York.
Fairfield Chemical Works, 71 Wall St., New York.
Jarecki Chemical Works, Erie, Pa.
J. Monroe Taylor Chemical Co., 113 Water St., New York.
Penn. Salt Mfg. Co., 115 Chestnut St., Philadelphia, Pa.
Phila. Quartz Co., 119 S. 4th St., Philadelphia, Pa.
Jas. Pyles & Sons, 436 Greenwich St., New York.

A. CAUSTIC SODA.
H. J. Baker & Bro., 215 Pearl St., New York.
Billings, Clapp & Co., 165 High St., Boston, Mass.
R. H. Emerson & Co., Jackson, Mich.
Mallinckrodt Chemical Co., St. Louis, Mo.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

B. SAL SODA.
H. J. Baker & Bro., 215 Pearl St., New York.
Church & Co., 129 Pearl St., New York.
Colgate & Co., 55 John St., New York.
J. S. & T. Elkinton, 119 S. 4th St., Philadelphia, Pa.
Wm. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
Enos F. Jones Chemical Co., 176 Duane St., New York.
W. A. Page Soap Co., Omaha, Neb.
Powers & Weightman, 56 Maiden Lane, New York.
J. Monroe Taylor Chemical Co., 113 Water St., New York.
A. L. Thomsen, Baltimore, Md.

C. SODA ASH.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Solway Process Co., Syracuse, N. Y.
Wing & Evans, 54 William St., New York.

173. SODIUM SALTS.
H. J. Baker & Bro., 215 Pearl St., New York.
Billings, Clapp & Co., 165 High St., Boston, Mass.

Church & Co., 129 Pearl St., New York.
Chas. Cooper & Co., 194 Worth St., New York.
A. De Ronde & Co., 12 Cedar St., New York.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Dundee Chemical Works, 17 Cedar St., New York.
John Dwight & Co., 11 Old Slip, New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Highlands Chemical Co., 17 Cedar St., New York.
Wm. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
Enos F. Jones Chemical Co., 176 Duane St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Lodi Chemical Co., Lodi, N. J.
N. Y. Quinine & Chem. Wks., Ltd., 114 William St., New York.
Nichols Chemical Co., 68 William St., New York.
Phila. Quartz Co., 18 Forrest Building, Philadelphia, Pa.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Savage & Stovell, Pierce & Orthodox Sts., Philadelphia, Pa.
Edwin R. Taylor, Cleveland, O.
D. D. Williamson, 14 Dey St., New York.
Wing & Evans, 54 William St., New York.
Zucker & Levett Chemical Co., Flushing. L. I., N. Y.

174. SOLUTIONS, CHEMICAL.
Mallinckrodt Chem. Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

175. SPIRITS, AMMONIA.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.

176. SPIRITS OF NITRE.
Highlands Chemical Co., 17 Cedar St., New York.
Larkin & Scheffer, Anna & Main Sts., St. Louis, Mo.

177. STRONTIUM SALTS.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.

178. STRYCHNINE.
Keasby & Mattison, Ambler, Pa.
Mallinckrodt Chemical Co., St. Louis, Mo.
Powers & Weightman, 56 Maiden Lane, New York.

179. SULPHUR & SALTS.
Battelle & Renwick, 163 Front St., New York.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Chas. Cooper & Co., 194 Worth St., New York.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Daniel H. Gray, 113 Maiden Lane, New York.
Jas. L. Morgan & Co., 47 Fulton St., New York.
Neuman & Herman, 241 Water St., New York.
Passaic Chemical Co., Newark, N. J.
T. & S. C. White, 30 Burling Slip, New York.

180. SUPPOSITORIES.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
W. H. Schieffelin & Co., 170 William St., New York.
John Wyeth & Bros., 1100 S. 11th St., Philadelphia, Pa.

181. SYRUPS, MEDICINAL.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
R. W. Gardner, 158 William St., New York.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa
Wiley Harris, 123 N. 7th St., Philadelphia, Pa.
Mallinckrodt Chemical Co., St. Louis, Mo.
McKesson & Robbins, 91 Fulton St., New York.
J. E. Moore, Albany, N. Y.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Spurlock, Neal & Co., Nashville, Tenn.
Fredk. Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.

182. TABLETS, MEDICINAL.

A. COMPRESSED TABLETS.
Boericke & Tafel, 145 Grand St., New York.
Caswell, Massey & Co., 1121 Broadway, New York.
Fairchild Bros. & Foster, 82 Fulton St., New York.
Fraser Tablet Triturate Mfg. Co., 17 Vandewater St., New York.
Grosvenor & Richards, 100 Fulton St., New York.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Leasby & Mattison, Ambler, Pa.
McKesson & Robbins, 91 Fulton St., New York.
Mellor & Rittenhouse Co., 214 N. 22d St., Philadelphia, Pa.
T. C. Morgan & Co., 32 Pearl St., New York.
N. Y. & Chicago Chemical Co., 96 Maiden Lane, New York.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
Seabury & Johnson, 21 Platt St., New York.

Sharp & Dohme, Baltimore, Md.
Fredk. Stearns & Co., Detroit, Mich.
Henry Thayer & Co., Cambridgeport, Mass.
John Wyeth & Bros., 1100 S. 11th St., Philadelphia, Pa.

B. HYPODERMIC TABLETS.
Clinton Pharmaceutical Co., Clinton, N. Y.
Fraser Tablet Triturate Mfg. Co., 17 Vandewater St., New York.
T. C. Morgan & Co., 32 Pearl St , New York.
Parke, Davis & Co., Detroit, Mich.
Sharp & Dohme, Baltimore, Md.

183. TANNIN.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Drueding Bros., 431 Master St., Philadelphia, Pa.
Mallinckrodt Chemical Co., St. Louis, Mo.

184. TARTAR EMETIC.
Billings, Clapp & Co., 165 High St., Boston, Mass.
A. De Ronde & Co., 12 Cedar St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
McKesson & Robbins, 91 Fulton St., New York.

185. TIN SALTS.
Billings, Clapp & Co., 165 High St., Boston, Mass.
Butterworth & Judson, Newark, N. J.
Chas. Cooper & Co., 194 Worth St., New York.
Dundee Chemical Works, 17 Cedar St., New York.
A. De Ronde & Co., 12 Cedar St., New York.
L. Feuchtwanger & Co., 191 Fulton St., New York.
Highlands Chemical Co., 17 Cedar St., New York.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Lodi Chemical Co., Lodi, N. J.
Mallinckrodt Chemical Co., St. Louis, Mo.
Jas. L. Morgan & Co., 47 Fulton St., New York.
N. Y. Dye-Wood, Ext. & Chem. Co., 55 Beekman St., New York.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

186. TOILET PREPARATIONS.
Caswell, Massey & Co., 1121 Broadway, New York.
Chichester Chemical Co., 2315 Madison Sq., Philadelphia, Pa.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
Colgate & Co., 55 John St., New York.
Pond's Extract Co., 76 5th Av., New York.
Recamier Mfg. Co., 52 Park Place, New York.
Wm. B. Riker & Son, 585 Washington St., N. Y.
J. H. Sackett, 122 Liberty St., New York.

A. BANDOLINE.
Colgate & Co., 55 John St., New York.

B. BRILLIANTINE.
Caswell, Massey & Co., 1121 Broadway, New York.
Doussan French Perfumery Co., 46 Chartres St., N. Orleans, La.

C. CAMPHOR ICE.
Caswell, Massey & Co., 1121 Broadway, New York.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
Colgate & Co., 55 John St., New York.
McKesson & Robbins, 91 Fulton St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

D. COLD CREAM.
Caswell, Massey & Co., 1121 Broadway, New York.
M. E. Cobb Manicure Co., 59 Maiden Lane, New York.
Colgate & Co., 55 John St., New York.

E. COSMETICS.
Clark Chemical Co., Springfield, O.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
M. E. Cobb Manicure Co., 59 Maiden Lane, New York.
Colgate & Co., 55 John St., New York.
Doussan French Perfumery Co., 46 Chartres St., N. Orleans, La.

F. DEPILATORY POWDERS.
Bailey Mfg. Co., Hartford, Conn.
Arthur Fricke, 218 Arch St., Philadelphia, Pa.

G. FACE POWDER.
M. E. Cobb Manicure Co., 59 Maiden Lane, New York.
Colgate & Co., 55 John St., New York.
George J. Copeland, 590 State Av., Cincinnati, O.
Doussan French Perfumery Co., 46 Chartres St., N. Orleans, La.
Julius Fehr, Hoboken, N. J.
Foote & Jencks, Jackson, Mich.
W. D. Freeman, 249 Race St., Cincinnati, O.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
Lorenz Bros., Toledo, O.
Israel W. Lyon, 88 Maiden Lane, New York.
G. Mennen, Newark, N. J.
Reed & Carnrick, 447 Greenwich St., New York.
Theo. Ricksecker, 58 Maiden Lane, New York.
Wm. B. Riker & Son, 585 Washington St., New York.
Tarrant & Co., 278 Greenwich St., New York.
Henry Tetlow, 10th & Cherry Sts., Philadelphia, Pa.
S. H. Wetmore Co., 242 Pearl St., New York.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

H. FLORIDA WATER.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
Lanman & Kemp, 68 William St., New York.
Lediard & Co., 79 Pearl St., New York.
S. H. Wetmore Co., 242 Pearl St., New York.

I. HAIR DYE.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
W. H. Tutt, 59 Park Place, New York.

J. HAIR OIL.
Caswell, Massey & Co., 1121 Broadway, New York.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
Doussan French Perfumery Co., 46 Chartres St., N. Orleans, La.
Arthur Fricke, 218 Arch St., Philadelphia, Pa.

K. HAIR TONIC.
Caswell, Massey & Co., 1121 Broadway, New York.
Colgate & Co., 55 John St., New York.
Freeman Hiscox, 853 Broadway, New York.
Lanman & Kemp, 68 William St., New York.
Proctor & Gamble, 3d & Walnut Sts., Cincinnati, O.

L. MANICU..E COSMETICS.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
W. D. Freeman, 249 Race St., Cincinnati, O.

M. MOUTH WASH.
Caswell, Massey & Co., 1121 Broadway, New York.
Colgate & Co., 55 John St., New York.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

N. PERFUMERY.
J. C. Austin, 30 Platt St., New York.
T. B. Bailey & Co., 21 Hamilton St., Boston, Mass.
Bean & Vail Co., 816 Cherry St., Philadelphia, Pa.
Caswell, Massey & Co., 1121 Broadway, New York.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
Colgate & Co., 55 John St., New York.
Doussan French Perfumery Co., 46 Chartres St., N. Orleans, La.
Gilbert Bros. Mfg. Co., Georgetown, Conn.
Jas. S. Kirk & Co., 360 N. Water St., Chicago, Ill.
Ladd & Coffin, 24 Barclay St., New York.
J. D. Larkin & Co., Buffalo, N. Y.
Lascelles Mfg. Co., Salem, N. Y.
Lazell, Dalley & Co., 155 William St., New York.
Geo. Leis, Lawrence, Kan.
Metcalf & Co., 126 Maiden Lane, New York.
Oakley Soap & Perfumery Co., 122 Duane St., New York.
Solon Palmer, 374 Pearl St., New York.
J. A. Pozzoni & Co., 302 S. 4th St., St. Louis, Mo.
T. Ricksecker, 58 Maiden Lane, New York.
Wm. B. Riker & Son, 585 Washington St., New York.
Seeley Mfg. Co., Detroit, Mich.
Fredk. Stearns & Co., Detroit, Mich.
H. Tappan, 112 Duane St., New York.
Tarrant & Co., 278 Greenwich St., New York.
Jerome I. Vogler, Baltimore, Md.
R. Wallace Sons Mfg. Co., Wallingford, Conn.
Alfred Wright, Rochester, N. Y.
Richard D. Young, 100 William St., New York.

O. SACHET POWDERS.
Clifford Perfume Mfg. Co., 2 Harvard Place, Boston, Mass.
M. E. Cobb Manicure Co., 59 Maiden Lane, New York.
Colgate & Co., 55 John St., New York.
Theo. Metcalf & Co., 39 Tremont St., Boston, Mass.
Wm. B. Riker & Son, 585 Washington St., New York.
Tarrant & Co., 278 Greenwich St., New York.
Richard D. Young, 100 William St., New York.

P. TOILET POWDERS.
A. L. Calder, Providence, R. I.
Caswell, Massey & Co., 1121 Broadway, New York.
Wm. B. Riker & Son, 585 Washington St., New York.

Q. TOOTH PASTE & POWDERS.
Bean & Vail Bros., 816 Cherry St., Philadelphia, Pa.
Caswell, Massey & Co., 1121 Broadway, New York.
Fleming Bros., Pittsburgh, Pa.
E. W. Hoyt & Co., Lowell, Mass.
Johnson & Johnson, 92 William St., New York.

R. VASELINE.
Chesebrough Mfg. Co., 24 State St., New York.

187. WATER, DISTILLED.
Chas. Cooper & Co., 194 Worth St., New York.

188. VACCINE VIRUS.
N. E. Vaccine Co., Chelsea Station, Boston, Mass.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.

189. WINES, MEDICINAL.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.
Wiley Harris, 123 N. 7th St., Philadelphia, Pa.
McKesson & Robbins, 91 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.
W. H. Schieffelin & Co., 170 William St., New York.
Sharp & Dohme, Baltimore, Md.
Spurlock, Neal & Co., Nashville, Tenn.

Henry Thayer & Co., Cambridgeport, Mass.

190. WOOD NAPHTHA.

Billings, Clapp & Co., 165 High St., Boston, Mass.
Mallinckrodt Chemical Co., St. Louis, Mo.

191. ZINC SALTS.

Billings, Clapp & Co., 165 High St., Boston, Mass.
A. De Ronde & Co., 12 Cedar St., New York.
Hecla Chemical Works, Springfield, Mass.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
Mallinckrodt Chemical Co., St. Louis, Mo.
Jas. L. Morgan & Co., 47 Fulton St., New York.
New Jersey Zinc & Iron Co., Newark, N. J.
Passaic Zinc Co., Jersey City, N. J.
Powers & Weightman, 56 Maiden Lane, New York.
Rosengarten & Sons, 17th & Fitzwater Sts., Philadelphia, Pa.
Wm. H. Swift & Co., 45 Pearl St., New York.
A. L. Thomsen, Baltimore, Md.
Wilmington Dental Mfg. Co., 1413 Filbert St., Phila., Pa.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

VII. CIGARS AND TOBACCO.

192. CIGARS.

Alles & Fisher, 8 Cambridge St., Boston, Mass.
L. Ash & Co., 779 3d Av., New York.
Barlow, Rogers & Simpson, Binghamton, N. Y.
M. Barranco & Co., Key West, Fla.
Batchelor Bros., 1231 Chestnut St., Philadelphia, Pa.
Berry Bros., Liberty, Va.
Robert Blood & Sons, Amsterdam, N. Y.
Bondy & Lederer, 1298 1st Av., N. Y.
T. J. Dunn & Co., 213 N. Broad St., Philadelphia, Pa.
Edel Bros., Richmond, Va.
El Modelo Cigar Mfg. Co., Jacksonville, Fla.
Julius Ellinger & Co., 51 Murray St., New York.
Emerson, Hinckley & Tyler, Punta Gorda, Fla.
Foster, Hilson & Co., 677 1st Av., New York.
E. H. Gato, Key West, Fla.
Hahn, Burssel & Co., 423 E. 63d St., New York.
Thos. H. Hall, 211 E. 37th St., New York.
Jas. A. Hayes & Co., 9 Commercial St., Boston, Mass.
Hernsheim Bros. & Co., New Orleans, La.
Heyman Bros. & Lowenstein, 430 E. 59th St., New York.
Hull, Grummond & Co., Binghamton, N. Y.
S. Jacoby & Co., ft. E. 52d St., New York.
Jaeger Bros., 1399 Avenue A, New York.
L. Kahner & Co., 202 E. 100th St., New York.
Kaufman Bros. Co., 1069 3d Av., New York.
Kaufmann Bros. & Bondy, 129 Grand St., New York.
Geo. A. Kent & Co., Binghamton, N. Y.
Kimball Bros. & Co., 133 Reade St., New York.
Levy Bros., 214 Avenue C, New York.
Lichtenstein Bros. Co., 345 E. 38th St., New York.
Geo. P. Lies & Co., 1510 Avenue A, New York.
Lozano, Pendas & Co., 209 Pearl St., New York.
McCoy & Co., 182 Avenue C, New York.
Mange, Wiener & Co., 1106 Montgomery Av., Philadelphia, Pa.
M. W. Mendel & Bro., 17 Bowery, New York.
L. Newburger & Bro., 141 W. Pearl St., Cincinnati, O.
Nill & Jess, Watertown, N. Y.
Ostrom, Barnes & Co., Binghamton, N. Y.
S. Ottenberg & Bros., 305 E. 22d St., New York.
Owl Cigar Co., 204 E. 27th St., New York.
Wm. E. Parsons, Jr., Co. 110 Chambers St., New York.
Augustus Pollack, Wheeling, W. Va.
Powell, Smith & Co., 1228 2d Av., New York.
Pratt, Imhoff & Co., Binghamton, N. Y.
Reynolds, Rogers & Co., Binghamton, N. Y.
S. Rodriguez, 24 Gold St., New York.
D. E. Rose & Co., 186 Elizabeth St., New York.
Rosenthal Bros., 351 E. 73d St., New York.

Sanchez & Haya, 31 Pearl St., New York.
Seidenberg & Co., 1382 1st Av., New York.
M. E. Shattuck & Co., Worcester, Mass.
Sideman, Lachman & Co., San Francisco, Cal.
M. Silverthau & Co., 1895 1st Av., New York.
Morris Spiegel, 278 Bowery, New York.
Towne, Fuller & Co., Springfield, Mass.
Thouvart & Roehling, 188 Randolph St., Chicago, Ill.
D. L. Trujillo & Sons, Key West, Fla.
Carl Upman, 408 E. 59th St., New York.
Wm. Van Wormer, Binghamton, N. Y.
Jos. Whitcomb & Co., Springfield, Mass.

193. CIGARETTES.

American Tobacco Co., 45 Broadway, New York.
Baron & Co., Baltimore, Md.
D. Buchner & Co., 135 Mulberry St., New York.
A. & G. Cameron & Sizer, Richmond, Va.
F. W. Felgner & Son, Baltimore, Md.
J. B. Pace Tobacco Co., Richmond, Va.

A. ALL TOBACCO CIGARETTES.

Consolidated Cigarette Co., 143 Avenue D, New York.
Thos. H. Hall, 211 E. 37th St., New York.

194. SNUFF.

D. Buchner & Co., 135 Mulberry St., New York.
F. A. Goetze & Bro., 46 Jay St., New York.
G. W. Helme & Co., Helmetta, N. J.
P. Lorillard Co., Jersey City, N. J.
Owen, Ivey & Co , Lynchburg, Va.
Stewart, Ralph & Co., 924 Arch St., Philadelphia, Pa.
Weyman & Bro., Pittsburgh, Pa.

195. TOBACCO.

A. CHEWING TOBACCO.

American Tobacco Co., 45 Broadway, New York.
F. F. Adams Tobacco Co., Milwaukee, Wis.
J. Anderson & Co., 114 Liberty St., New York.
Asheville Tobacco Works, Asheville, N. C.
Buchanan & Lyall, 101 Wall St., New York.
D. Buchner & Co., 135 Mulberry St., New York.
John Finzer & Bros., Louisville, Ky.
W. T. Hancock, Richmond, Va.
P. H. Hanes & Co., Winston, N. C.
P. Lorillard Co., Jersey City, N. J.
D. H. McAlpin & Co., 150 Avenue D, New York.
J. B. Pace Tobacco Co., Richmond, Va.
S. W. Venable Tobacco Co., Petersburg, Va.
Wemple, Ellerson & Co., Danville, Va.
Wilson & McCallay Tobacco Co., Middletown, O.

B. PLUG TOBACCO.

American Tobacco Co., 45 Broadway, New York.
Asheville Tobacco Works, Asheville, N. C.
Beard & Roberts, Kernersville, N. C.
Buchanan & Lyall, 101 Wall St., New York.
F. W. Felgner & Son, Baltimore, Md.
John Finzer & Bros., Louisville, Ky.
Foree Tobacco Co., Louisville, Ky.
G. W. Gail & Ax, Baltimore, Md.
J. D. Gaskill, Salisbury, N. C.
B. F. Gravely & Sons, Leatherwood, Va.
P. Lorillard & Co., Jersey City, N. J.
P. H. Mayo & Bro., Richmond, Va.
A. H. Motley & Co., Reidsville, N. C.
Pace, Talbott & Co., Danville, Va.
J. B. Pace Tobacco Co., Richmond, Va.
R. A. Patterson Tobacco Co., Richmond, Va.
C. A. Raine & Co., Danville, Va.
H. H. Reynolds, Winston, N. C.
Snelling & Sparrow, Danville, Va.
W. B. Taylor & Bro., Winston, N. C.

C. PLUG CUT TOBACCO.

American Tobacco Co., 45 Broadway, New York.
A. & G. Cameron & Sizer, Richmond, Va.
F. W. Felgner & Sons, Baltimore, Md.
G. W. Gail & Ax, Baltimore, Md.
B. F. Gravely & Sons, Leatherwood, Va.
J. B. Pace Tobacco Co., Richmond, Va.

D. SMOKING TOBACCO.

F. F. Adams Tobacco Co., Milwaukee, Wis.
American Tobacco Co., 45 Broadway, New York.
American Eagle Tobacco Co., Detroit, Mich.
Asheville Tobacco Works, Asheville, N. C.
J. J. Bagley & Co., Detroit, Mich.
Blackwell's Durham Co-operative Tobacco Co., Durham, N. C.
Buchanan & Lyall, 101 Wall St., New York.

D. Buchner & Co., 135 Mulberry St., New York.
Bushwick Tobacco Co., Glendale, L. I., N. Y.
A. & G. Cameron & Sizer, Richmond, Va.
John W. Carroll, Lynchburg, Va.
J. Finzer & Bros., Louisville, Ky.
F. W. Felgner & Sons, Baltimore, Md.
J. G. Flint, Jr., Milwaukee, Wis.
G. W. Gail & Ax, Baltimore, Md.
J. D. Gaskill, Salisbury, N. C.
B. F. Gravely & Sons, Leatherwood, Va.
Robt. Harris & Bro., Reidsville, N. C.
D. H. McAlpin & Co., 150 Avenue D, New York.
P. H. Mayo & Bro., Richmond, Va.
G. B. Miller & Co., 97 Columbia St., New York.
A. H. Motley & Co., Reidsville, N. C.
Penn & Rison, Danville, Va.
E. T. Pilkington, Richmond, Va.
R. P. Richardson, Jr. & Co., Reidsville, N. C.
S. W. Venable Tobacco Co., Petersburg, Va.
Weyman & Bros., Pittsburgh, Pa.

E. TOBACCO, GRANULATED.
American Tobacco Co., 45 Broadway, New York.
A. & G. Cameron & Sizer, Richmond, Va.
W. W. Russell, Richmond, Va.

F. TWIST TOBACCO.
Pace, Talbott & Co., Danville, Va.
J. B. Pace Tobacco Co., Richmond, Va.
Snelling & Sparrow, Danville, Va.
W. B. Taylor & Bro., Winston, N. C.
Watson & McGill, Petersburg, Va.

VIII. CLOCKS, WATCHES AND PARTS.

196. CLOCKS.
Ansonia Clock Co., 11 Cliff St., New York. *211
Boston Clock Co., Sears Building, Boston, Mass.
Bridgeport Brass Co., Bridgeport, Conn. *27
Bristol Brass & Clock Co. (Forestville), Bristol, Conn.
Jacob E. Buerk, 230 Washington St., Boston, Mass.
W. H. Durfee & Co., Providence, R. I.
W. L. Gilbert Clock Co., Winsted, Conn.
Globe Clock Co., Pittsfield, Mass.
E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.
L. Hubbell & Son (Forestville), Bristol, Conn.
E. Ingraham Co., Bristol, Conn.
Joliet Clock Mfg. Co., Joliet, Ill.
F. Kroeber Clock Co., 360 Broadway, New York.
New Haven Clock Co., New Haven, Conn.
Parker & Whipple Mfg. Co., Meriden, Conn.
Phelps & Bartholomew Co., Ansonia, Conn.
Russell & Jones Clock Co., Pittsfield, Mass.
Sterling Watch & Clock Co., Sterling, Ill.
Seth Thomas Clock Co., Thomaston, Conn.
Waterbury Clock Co., Waterbury, Conn.
E. N. Welch Mfg. Co., Forestville, Conn.

A. ALARM CLOCKS.
Ansonia Clock Co., 11 Cliff St., New York. *211
W. L. Gilbert Clock Co., Winsted, Conn.
F. Kroeber Clock Co., 360 Broadway, New York.
New Haven Clock Co., New Haven, Conn.
Phelps & Bartholomew Co., Ansonia, Conn.
Russell & Jones Clock Co , Pittsfield, Mass.
Seth Thomas Clock Co., Thomaston, Conn.
Waterbury Clock Co., Waterbury, Conn.
E. N. Welch Mfg. Co., Forestville, Conn.
Western Clock Mfg. Co., La Salle, Ill.

B. ASTRONOMICAL CLOCKS.
E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.
Seth Thomas Clock Co., Thomaston, Conn.

C. BANK CLOCKS.
Ansonia Clock Co., 11 Cliff St., New York. *211
E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.

	F. Kroeber Clock Co., 360 Broadway, New York.	
D. CABINET CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	F. Kroeber Clock Co., 360 Broadway, New York.	
	New Haven Clock Co., New Haven, Conn.	
	Russell & Jones Clock Co., Pittsfield, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
E. CALENDAR CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	W. L. Gilbert Clock Co., Winsted, Conn.	
	E. Ingraham Co., Bristol, Conn.	
	Ithaca Calendar Clock Co., Ithaca, N. Y.	
	New Haven Clock Co., New Haven, Conn.	
	Phelps & Bartholomew Co., Ansonia, Conn.	
	Prentiss Calendar & Time Co., 40 Maiden Lane, New York.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	E. N. Welch Mfg. Co., Forestville Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
F. CHIMING CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
G. ELECTRIC CLOCKS.	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Stevens Electric Co., 3500 Av. A, New York.	
H. FANCY BRASS CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	J. F. Kitchell Mfg. Co., Newark, N. J.	
	F. Kroeber Clock Co., 360 Broadway, New York.	
	New Haven Clock Co., New Haven, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
I. GALLERY CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	E. Ingraham Co., Bristol, Conn.	
	New Haven Clock Co., New Haven, Conn.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
J. HALL CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Walter H. Durfee & Co., Providence, R. I.	
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Screw Motor Clock Co., 50 Maiden Lane, New York.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
K. HANGING CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	E. Ingraham Co., Bristol, Conn.	
	F. Kroeber Clock Co., 360 Broadway, New York.	
	Phelps & Bartholomew Co., Ansonia, Conn.	
	Screw Motor Clock Co., 50 Maiden Lane, New York.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
L. LANTERN CLOCKS.	New Haven Clock Co., New Haven, Conn.	
M. LEVER CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	E. Ingraham Co., Bristol, Conn.	
	New Haven Clock Co., New Haven, Conn.	
	F. Kroeber Clock Co., 360 Broadway, New York.	
	Phelps & Bartholomew Co., Ansonia, Conn.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
N. LOCOMOTIVE CLOCKS.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Boston Clock Co., Sears Bldg., Boston, Mass.	
	Crosby Steam Gage & Valve Co., 93 Oliver St., Bost., Mass.	*128
	Schäffer & Budenberg, Brooklyn, N. Y.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
O. LUMINOUS DIAL CLOCKS.	F. Kroeber Clock Co., 360 Broadway, New York.	
	Russell & Jones Clock Co., Pittsfield, Mass.	
P. MANTEL CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	E. Ingraham Co., Bristol, Conn.	
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	F. Kroeber Clock Co., 360 Broadway, New York.	
	New Haven Clock Co., New Haven, Conn.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
Q. MARINE CLOCKS.	American Steam Gauge Co., 30 Chardon St., Boston, Mass.	
	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Crosby Steam Gage & Valve Co., 93 Oliver St., Bost., Mass.	*128

	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Schäffer & Budenberg, Brooklyn, N. Y.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
R. MARINE CLOCKS (SHIP'S BELLS).	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
S. NICKEL CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	Globe Clock Co., 5 Maiden Lane, New York.	
	F. Kroeber Clock Co., 360 Broadway, New York.	
	Phelps & Bartholomew Co., Ansonia, Conn.	
	Russell & Jones Clock Co., Pittsfield, Mass.	
	Waterbury Clock Co., Waterbury, Conn.	
T. NIGHT CLOCKS.	New Haven Clock Co., New Haven, Conn.	
U. NOVELTY CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	F. Kroeber Clock Co., 360 Broadway, New York.	
	New Haven Clock Co., New Haven, Conn.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
V. OFFICE CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	F. Kroeber Clock Co., 360 Broadway, New York.	
	New Haven Clock Co., New Haven, Conn.	
	Phelps & Bartholomew Co., Ansonia, Conn.	
	Russell & Jones Clock Co., Pittsfield, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
W. PRECISION CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Seth Thomas Clock Co., Thomaston, Conn.	
X. REGULATOR CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
Y. SCHOOL CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Phelps & Bartholomew Co., Ansonia, Conn.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
Z. SCREW MOTOR CLOCKS.	Screw Motor Clock Co., 50 Maiden Lane, New York.	
AA. STREET CLOCKS.	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
BB. SWINGING CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
CC. TOWER CLOCKS.	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	Seth Thomas Clock Co., Thomaston, Conn.	
DD. WATCHMAKERS' REGULATORS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	New Haven Clock Co., New Haven, Conn.	
	Seth Thomas Clock Co., Thomaston, Conn.	
	Waterbury Clock Co., Waterbury, Conn.	
EE. WATCHMEN'S ELECTRIC CLOCKS.	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
	New Haven Clock Co., New Haven, Conn.	
FF. WATCHMEN'S TIME DETECTORS.	American Supply Co., Providence, R. I.	*173
	J. E. Buerk, 230 Washington St., Boston, Mass.	
	E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.	
GG. WINDOW CLOCKS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	New Haven Clock Co., New Haven, Conn.	
197. CLOCK MATERIALS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	John Gardner & Son, Ansonia, Conn.	
	Wm. L. Gilbert Clock Co., Winsted, Conn.	
	D. S. Plumb, 24 Boudinot St., Newark, N. J.	*82
	Waterbury Clock Co., Waterbury, Conn.	
A. CLOCK BELLS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	E. N. Welch Mfg. Co., Forestville, Conn.	
B. CLOCK CASES.	U. S. Clock Case Co., 46 Melancthon St., Cincinnati, O.	
C. CLOCK DIALS.	Cæsar Bros., 11 Park Row, New York.	
	S. E. Root, Bristol, Conn.	
	Waltham Dial Co., Waltham, Mass.	
D. CLOCK MOVEMENTS.	Ansonia Clock Co., 11 Cliff St., New York.	*211
	Boston Clock Co., Sears Bldg., Boston, Mass.	

Bridgeport Brass Co., Bridgeport, Conn. *27
Wm. L. Gilbert Clock Co., Winsted, Conn.
New Haven Clock Co., New Haven, Conn.
Phelps & Bartholomew Co., Ansonia, Conn.
D. S. Plumb, 24 Boudinot St., Newark, N. J. *82
Seth Thomas Clock Co., Thomaston, Conn.
Waterbury Clock Co., Waterbury, Conn.
E. N. Welch Mfg. Co., Forestville, Conn.

E. CLOCK SPRINGS.
Dunbar Bros., Bristol, Conn.
Haley Mfg. Co., Concord, Conn.
Seth Thomas Clock Co., Thomaston, Conn.
Wallace Barnes, Bristol, Conn.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

F. CLOCK TOPS.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.

G. CLOCK TRIMMINGS.
Clark & Cowles, Plainville, Conn.
S. E. Root, Bristol, Conn.

H. ELECTRICAL CLOCK MOVEMENTS.
D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

198. CLOCK WORK SPECIALTIES.

D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

199. WATCHES.

American Waltham Watch Co., Waltham, Mass.
Aurora Watch Co., Aurora, Ill.
Elgin National Watch Co., Elgin, Ill.
E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.
Illinois Watch Co., Springfield, Ill.
Keller & Untemeyer, 192 Broadway, New York.
Manhattan Watch Co., 234 Broadway, New York.
N. Y. Standard Watch Co., Jersey City, N. J.
Rockford Watch Co., Rockford, Ill.
Sterling Watch & Clock Co., Sterling, Ill.
Seth Thomas Clock Co., Thomaston, Conn.
Trenton Watch Co., 50 Maiden Lane, New York. *68
United States Watch Co., Waltham, Mass.
Waterbury Watch Co., Waterbury, Conn.

A. CHRONOGRAPH WATCHES.
American Waltham Watch Co., Waltham, Mass.
Manhattan Watch Co., 234 Broadway, New York.

B. NON-MAGNETIC WATCHES.
American Waltham Watch Co., Waltham, Mass.
Non-Magnetic Watch Co., Peoria, Ill.
Waterbury Watch Co., Waterbury, Conn.

200. WATCH CASES.

A. FILLED WATCH CASES.
Bay State Watch Case Co., 309 Washington St., Boston, Mass.
Courvoisier-Wilcox Mfg. Co., Roseville, N. J.
Crescent Watch Case Co., Roseville, N. J.
Elgin Watch Case Co., Elgin, Ill.
Essex Watch Case Co., Newark, N. J.
Fahys Watch Case Co., Sag Harbor, N. Y.
Kenosha Watch Case Co., Kenosha, Wis.
Keystone Watch Case Co., Philadelphia, Pa.
Ladd Watch Case Co., Providence, R. I.
H. Muhr's Sons, 146 N. Broad St., Philadelphia, Pa.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
H. Wadsworth, Newport, Ky.

B. GOLD WATCH CASES.
Bay State Watch Case Co., 309 Washington St., Boston, Mass.
Ferdinand Berthoud, Milford, Pa.
Brooklyn Watch Case Co., Brooklyn, N. Y.
Courvoisier-Wilcox Mfg. Co., Roseville, N. J.
Crescent Watch Case Co., Roseville, N. J.
Croce & Marchand, 622 Clay St., San Francisco, Cal.
Duhme & Co., Cincinnati, O.
Durand & Co., 49 Franklin St., Newark, N. J.
Elgin Watch Case Co., Elgin, Ill.
Fidelity Watch Case Co., 11 John St., New York.
P. A. Giannini, 109 Montgomery St., San Francisco, Cal.
Hibbard G. Gill, 618 Chestnut St., Philadelphia, Pa.
Chas. Glatz, 11 John St., New York.
Jeannot & Shiebler, 316 Herkimer St., Brooklyn, N. Y.
Kellar & Untemeyer, 192 Broadway, New York.
Kenosha Watch Case Co., Kenosha, Wis.
Keystone Watch Case Co., 813 N. 19th St., Philadelphia, Pa.
Henry Lefort, 60 Arlington St., Newark, N. J.
Bernard Levy, 130 S. 9th St., Philadelphia, Pa.
Margot Bros., 23 Water St., Boston, Mass.
H. Muhr's Sons, 146 N. Broad St., Philadelphia, Pa.
S. F. Myers & Co., 48 Maiden Lane, New York.
Rockford Watch Case Co., 112 N. Main St., Rockford, Ill.
Roy Watch Case Co., 83 Washington St., Brooklyn, N. Y.

Solidarity Watch Case Co., 17 Hope St., Brooklyn, N. Y.
Willemin Watch Case Co., cor. Race & Broad Sts., Phila., Pa.

C. NICKEL WATCH CASES. Bay State Watch Case Co., 309 Washington St., Boston, Mass.
Elgin Watch Case Co., Elgin, Ill.
Fahys Watch Case Co., Sag Harbor, N. Y.
Keystone Watch Case Co., 813 N. 19th St., Philadelphia, Pa.
H. Muhr's Sons, 146 N. Broad St., Philadelphia, Pa.

D. SILVER WATCH CASES. Bay State Watch Case Co., 309 Washington St., Boston, Mass.
Crescent Watch Case Co., Roseville, N. J.
Elgin Watch Case Co., Elgin, Ill.
Fahys Watch Case Co., Sag Harbor, N. Y.
Keystone Watch Case Co., 813 N. 19th St., Philadelphia, Pa.

201. WATCH KEYS. O. W. Bullock & Co., Springfield, Mass.
A. N. Clark, Plainville, Conn.
Kendrick & Davis, Lebanon, N. H.

A. DUST-PROOF W. KEYS. Kendrick & Davis, Lebanon, N. H.

B. SELF-ADJUSTING W. KEYS. John S. Birch Co., 79 Washington St., Brooklyn, N. Y

202. WATCH MATERIALS. Columbus Watch Co., Columbus, O.
Elgin National Watch Co., Elgin, Ill.
Standard Turning Works, Cambridgeport, Mass.
Seth Thomas Clock Co., Thomaston, Conn.
United States Watch Co., Waltham, Mass.
Waterbury Watch Co., Waterbury, Conn.
John Wennstrom, 2 Dutch St., New York.

A. HAIR SPRINGS. Hobart A. Warner, Bristol, Conn.

B. STEM-WINDING ATTACHMENTS. Henry Abbott, 4 Maiden Lane, New York.

C. WATCH HANDS. Goodell & Winn, Winchester, Mass.

D. WATCH PUSHERS. Geo. H. Fuller & Son, Pawtucket, R. I.

E. WATCH SPRINGS. Washburn & Moen Mfg. Co., Worcester, Mass. *101

203. WATCH CASE MATERIALS.
J. Briggs & Sons Co., Providence, R. I.
Fahys Watch Case Co., Sag Harbor, N. Y.
Geo. H. Fuller & Son, Pawtucket, R. I.
Henry Lefort, Newark, N. J.
Alex. Milne & Co., Newark, N. J.
Newark Watch Case Material Co., 19 Ward St., Newark, N. J.
Chas. H. Nobs, 24 Boudinot St., Newark, N. J.

A. WATCH CASE SPRINGS. A. N. Clark, Plainville, Conn.

IX. COAL AND COKE.

204. CHARCOAL. Bayless & Berkalew, Binghamton, N. Y.
Merrill & Wehrle Charcoal Co., 548 W. 25th St., New York.
Midland Blast Furnace Co., Midland, Wis.
S. Obermayer F. S. Mfg. Co., Evans St. S. of 8th, Cin., O. *54

A. DRUGGISTS' CHARCOAL. S. Obermayer F. S. Mfg. Co., Evans St. S. of 8th, Cin., O. *54
Birmingham Rolling Mill Co., Birmingham, Conn.

B. GLASSHOUSE CHARCOAL. S. Obermayer F. S. Mfg. Co., Evans St. S. of 8th, Cin., O. *54

C. GROUND CHARCOAL. S. Obermayer F. S. Mfg. Co., Evans St. S. of 8th, Cin., O. *54

205. COAL.

A. ANTHRACITE COAL. Boyd, Stickney & Co., Harrisburg, Pa.
Consolidated Coal & Iron Co., 68 Johnston Building, Cin., O.
Coxe Bros. & Co., 143 Liberty St., New York.
D., L. & W. R. R. Co., 26 Exchange Place, New York.
Del. & Hudson Canal Co., 18 Cortlandt St., New York.
Graeff, Wilcox & Co., 318 Walnut St., Philadelphia, Pa.
Lehigh Coal & Iron Co., St. Paul, Minn.
Lehigh Valley Coal Co., 230 S. 3d St., Philadelphia, Pa.
Lehigh & Franklin Coal Co., 33 Dearborn St., Chicago, Ill.
Lehigh & Wilkesbarre Coal Co., 143 Liberty St., New York.
G. B. Linderman & Co., 1 Broadway, New York.
N. Y., L. E. & Western R. R. Co., 1 Broadway, New York.
N. Y., Sus. & Western R. R. Co., 15 Cortlandt St., New York.
Pennsylvania Coal Co., 1 Broadway, New York.
Phila. & Reading Coal & Iron Co., 227 S. 4th St., Phila., Pa.

B. BITUMINOUS COAL.

Black, Sheridan & Wilson, Baltimore, Md.
Borden & Lovell, 70 West St., New York.
Clearfield Bituminous Coal Corporation, Elmira, N. Y.
Consolidated Coal & M. Co., 8 Mitchell Build'g, Cincinnati, O.
Consolidation Coal Co., Baltimore, Md.
Fall Brook Coal Co., Corning, N. Y.
Fluhart Coal & Mining Co., Wellston, O.
Franklin Consolidated Coal Co., Baltimore, Md.
Graeff, Wilcox & Co., 318 Walnut St., Philadelphia, Pa.
Kettle Creek Coal Mining Co., Williamsport, Pa.
Kilpatrick Bros. & Collins, Cambria, Wyo.
Lehigh Coal & Iron Co., St. Paul, Minn.
Lehigh & Franklin Coal Co., 333 Dearborn St., Chicago, Ill.
Morris Run Coal Mining Co., Corning, N. Y.
Newburg Orrel Coal & Coke Co., Baltimore, Md.
New Central Coal Co., 1 Broadway, New York.
New York & Cleveland Gas Coal Co., Pittsburgh, Pa.
Pittsburgh & Wheeling Coal Co., Cleveland, O.
Saltsburg Coal Co., 441 Chestnut St., Philadelphia, Pa.
Sunday Creek Coal Co., Columbus, O.
Tennessee Coal, Iron & R. R. Co., Nashville, Tenn.
Westmoreland Coal Co., 224 S. 3d St., Philadelphia, Pa.
W. Va., Central & Pittsburgh Ry. Co., Piedmont, W. Va.
R. B. Wigton & Sons, 228 S. 4th St., Philadelphia, Pa.
Winifrede Coal Co., 305 Walnut St., Philadelphia, Pa.

C CANNEL COAL.

Brazil Block Coal Co., Brazil, Ind.
Consolidated Coal & M. Co., 8 Mitchell Build'g, Cincinnati, O.
Pearl Coal Co., Indianapolis, Ind.
Southern Ohio Coal & Iron Co., Dayton, O.

206. COKE.

Consolidated Coal & M. Co., 8 Mitchell Build'g, Cincinnati, O.
Corona Coal & Coke Co., Corona, Ala.
Irvona Coal Co., 216 S. 3d St., Philadelphia, Pa.
Lehigh Coal & Iron Co., St. Paul, Minn.
Lehigh & Franklin Coal Co., 333 Dearborn St., Chicago, Ill.
Madison Gas Coal Co., Greensburg, Pa.
Maryland Coal Co., 35 Broadway, New York.
Newburg Orrel Coal & Coke Co., Baltimore, Md.
Ohio Coal Exchange, Columbus, O.
Pittsburgh & Wheeling Coal Co., Cleveland, O.
W. J. Rainey, Cleveland, O.
J. M. Schoonmaker Coke Co., Pittsburgh, Pa.
Tennessee Coal, Iron & R. R. Co., Nashville, Tenn.
Williamson Iron Co., Birmingham, Ala.
Woodward Iron Co., Woodward, Ala.

A. NATURAL COKE.

Richmond Coal Mining & Mfg. Co., 12 Broadway, New York.

X. CONSTRUCTION MATERIALS.

207. ARCHITECTURAL BRASS WORK.

J. E. Bolles & Co., Detroit, Mich.
J. & R. Lamb, 59 Carmine St., New York.
Manhattan Brass Co., 338 E. 28th St., New York.

208. ARCHITECTURAL IRON WORK.

Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
Ætna Iron & Steel Co., Bridgeport, O.
Bartlett, Hayward & Co., Baltimore, Md.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
Sam'l J. Creswell Iron Works, N. 23d & Cherry Sts., Phila., Pa.
Emporia Foundry & Machine Works, Emporia, Kan.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Frost Mfg. Co., Galesburg, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.

Jackson Arch. Iron Works, 315 E. 28th St., New York.
J. & R. Lamb, 59 Carmine St., New York.
Josh Hendy Mach. Wks., 39 Fremont St., San Francisco, Cal.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Magee Furnace Co., 30 Union St., Boston, Mass.
M. Mahony, Troy, N. Y.
Mansfield Machine Works, Mansfield, O.
McHose & Lyon & Co., Dayton, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Novelty Iron Works, 3124 Market St., Philadelphia, Pa.
Passaic Rolling Mill Co., Paterson, N. J.
Paxton & Vierling Iron Works, Omaha, Neb.
Phœnix Iron Co., Trenton, N. J.
John E. Randle & Co., Memphis, Tenn.
Reynolds Iron Works, New Orleans, La.
A. J. Sweeny & Son, Wheeling, W. Va. *61
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Variety Iron Works, York, Pa.
Vulcan Iron Works, Wilkesbarre, Pa. *131

209. ARCHITECTURAL SHEET METAL WORK.

Cincinnati Corrugating Co., Piqua, O.
J. & R. Lamb, 59 Carmine St., New York.
W. H. Mullins, Salem, O.
A. J. Sweeny & Son, Wheeling, W. Va. *61
Wheeling Corrugating Co., Wheeling, W. Va. *46

210. ARCHITECTURAL WOOD WORK.

A. H. Davenport, 96 Washington St., Boston, Mass.
J. & R. Lamb, 59 Carmine St., New York.

211. BALCONIES, IRON.

J. E. Bolles & Co., Detroit, Mich.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Cheney & Hewlett, 207 Broadway, New York.
J. W. Fiske, 28 Park Place, New York.
R. F. Hawkins Iron Works, Springfield, Mass.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.

212. BALUSTERS.

J. H. Van Dorn, Cleveland, O.
John Benoit, West Troy, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
C. B. Keogh & Co., 8 Howard St., New York.
Novelty Wood Works, Union City, Pa.
Alonzo Roberson, Binghamton, N. Y. *253
W. C. Stiles, Warren, O.
Wm. Willer, Milwaukee, Wis.
Wilson & Bro., San Francisco, Cal.

213. BALUSTRADES.

Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
George Fischer & Bro., 209 Forsyth St., New York.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Murphy & Diebold, Pittsburgh, Pa.

214. BLINDS.

A. BLIND SLATS.

Arthur F. Tyler, Athol, Mass. *44

B. INSIDE BLINDS.

Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
A. J. Griffin, Cohoes, N. Y.
Hartman & Durstine, Wooster, O.
Stewart Hartshorn, Harrison, N. J.
P. H. Hiss Mfg. Co., Baltimore, Md.
Lee, Holland & Co., Buffalo, N. Y.
Linton Mfg. Co., Saginaw, E. S., Mich.
Alonzo Roberson, Binghamton, N. Y. *253
Arthur F. Tyler, Athol, Mass. *44
Wm. Willer, Milwaukee, Wis.

C. OUTSIDE BLINDS.

Bardwell, Robinson & Co., Minneapolis, Minn.
John Benoit, West Troy, N. Y.
Bohn Mfg. Co., St. Paul, Minn.
Boller & Rechtenwalt, Buffalo, N. Y.
W. P. Brewer, Birmingham, Ala.
Brinkley Car Works & Mfg. Co., Brinkley, Ark.
Buffalo Door & Sash Co., cor. 9th Av. & 12th St., New York.
Carr, Ryder & Engler Co., Dubuque, Iowa.
Clough Bros., Minneapolis, Minn.
Cunningham & Young, Troy, N. Y.
Curtis Bros. & Co., Clinton, Iowa.
Daniel & Nauman Co., Waterloo, Iowa.

M. A. Disbrow & Co., Omaha, Neb.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
A. J. Griffin, Cohoes, N. Y.
Gould Mfg. Co., Oshkosh, Wis.
C. J. Hamilton, Buffalo, N. Y.
S. Heyser & Sons, Jackson, Mich.
C. D. Hill & Co., Addison, N. Y.
Huttig Bros. Mfg. Co., Muscatine, Iowa.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
C. B. Keogh & Co., 8 Howard St., New York.
Laird-Norton Co., Winona, Minn.
Linton Mfg. Co., E. Saginaw, Mich.
Martin & Driebholz, Ramos, La.
Wm. B. Mershon & Co., Saginaw, East Side, Mich.
Murphy & Diebold, Pittsburgh, Pa.
Newton Lumber Co., Pueblo, Col.
Palmer, Fuller & Co., W. 22d & S. Union Sts., Chicago, Ill.
Radford Bros. & Co., Oshkosh, Wis.
Alonzo Roberson, Binghamton, N. Y. *253
E. L. Roberts & Co., W. 22d & Lumber Sts., Chicago, Ill.
Rock Island Lumber & Mfg. Co., Rock Island, Ill.
Smith & Wyman, Minneapolis, Minn.
Swain & Hudson, Marysville, Cal.
P. P. Toale, Charleston, S. C.
Jesse Thompson & Co., Augusta, Me.
Arthur F. Tyler, Athol, Mass. *44
Watkins & Fuller Lumber Co., 22d & Throop Sts., Chicago, Ill.
Whitehurst & Owen, Richmond, Va.
E. P. Wilce & Co., W. 22d & Throop Sts., Chicago, Ill.
Wm. Willer, Milwaukee, Wis.
Williams & Hunting, Cedar Rapids, Iowa.
Wright & Boyle, Oswego, N. Y.

D. SLIDING BLINDS.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Hartman & Durstine, Wooster, O.
Alonzo Roberson, Binghamton, N. Y. *253
Venetian Blind Co., Burlington, Vt.
Wm. Willer, Milwaukee, Wis.

E. VENETIAN BLINDS.
Albany Venetian Blind Co., Albany, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Queen Anne Screen Co., Burlington, Vt.
Arthur F. Tyler, Athol, Mass. *44
Venetian Blind Co., Burlington, Vt.
Jas. G. Wilson, 74 W. 23d St., New York.

215. BRACKETS.

A. IRON BALCONY BRACKETS.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
Dickson Mfg. Co., Scranton, Pa.
J. G. & T. Dimond, 209 W. 33d St., New York.
J. W. Fiske, 26 Park Place, New York.
Mansfield Machine Works, Mansfield, O.
Vulcan Iron Works, Wilkesbarre, Pa. *131

B. WOODEN BRACKETS.
John Benoit, W. Troy, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
W. P. Brewer, Birmingham, Ala.
Gould Mfg. Co., Oshkosh, Wis.
Alonzo Roberson, Binghamton. N. Y. *253
Sherman & Flavin, 349 Wabash Av., Chicago, Ill.
St. Louis Mfg. Co., Mullanphy cor. 10th St., St. Louis, Mo.
Jesse Thompson & Co., Augusta, Me.

216. BRICK.
Aldridge Bros. & Co., Dutchess Junction, N. Y.
B. J. Allison & Co., Haverstraw, N. Y.
Alsip Brick Co., 159 Lasalle St., Chicago, Ill.
Boston Terra Cotta Co., 394 Federal St., Boston, Mass.
C. W. Boynton, Woodbridge, N. J.
Columbus Brick & Terra Cotta Co., Columbus, O.
Dallas Brick Co., Dallas, Tex.
Equitable Brick Works, Ltd., S. 56th & Walnut Sts., Phila., Pa.
Evansville Pressed Brick Co., Evansville, Ind.
Fisher's Island Brick Mfg. Co., New London, Conn.
Fowler, Denton & Son, Haverstraw, N. Y.
Gainesville Pressed Brick Co., Gainesville, Tex.
Goodland Steam Tile Works, Goodland, Ind.
Hampden Brick Works, Springfield, Mass.
Jarden Brick Co., 26th St. & Point Breeze Av., Phila., Pa.
Mackey Brick & Tile Co., San Antonio, Tex.
Mehrhoff Bros., Little Ferry, N. J.

Ogden Brick Works, Binghamton, N. Y.
Patent Brick Co., San Francisco, Cal.
Peerless Brick Co., 24 S. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Philadelphia Brick Co., 24 S. 7th St., Philadelphia, Pa.
Rochester Brick & Tile Mfg. Co., Rochester, N. Y.
Rauk Bros. Mfg. Co., Boscobel, Wis.
Sayre & Fisher Co., Sayresville, N. J.
St. Paul & Minneapolis Pressed Brick Co., Minneapolis, Minn.
Tennessee Brick & Mfg. Co., Memphis, Tenn.
Terry Bros., Rondout, N. Y.
U. S. Encaustic Tile Co., Indianapolis, Ind.
M. D. Valentine & Bro., Woodbridge, N. J.

A. GLAZED BRICK.
Dixon-Woods Co., 30th & Jane Sts., Pittsburgh, Pa.
Griffen Bros. & Miller, Ltd., Perkiomenville, Pa.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Somerset Potters Works Co., Somerset, Mass.

B. HOLLOW BRICK.
Henry Mauer & Son, 420 E. 23d St., New York.
Pioneer Fireproof Construction Co., Ottawa, Ill.
Raritan Hollow & Porous Brick Co., Raritan, N. J.

C. ORNAMENTAL BRICK.
Austin Pressed Brick Co., Austin, Minn.
H. O. Burch Mfg. Co., New London, Conn.
Burns, Russell & Co., Baltimore, Md.
Chicago Hydraulic-Press Brick Co., Chicago, Ill. *48
Collinsville Hydraulic-Press Brick Co., Collinsville, Ill. *48
Eastern Hydraulic-Press Brick Co., Winslow Junc., N. J. *48
Findlay Hydraulic-Press Brick Co., Findlay, O. *48
Glens Falls Terra Cotta & Brick Co., Glens Falls, N. Y.
Hydraulic-Press Brick Co., Odd Fellows Build'g, St. Louis, Mo. *48
Kansas City Hydraulic-Press Brick Co., Kansas City, Mo. *48
La Salle Pressed Brick Co., La Salle, Ill.
C. B. Lovatt & Bros., Pittsburgh, Pa.
N. Y. Anderson Pressed Brick Co., 132 Mangin St., New York.
Peerless Brick Co., 24 S. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Omaha Hydraulic-Press Brick Co., Omaha, Neb. *48
Tiffany Pressed Brick Co., Baltimore, Md.
Union Press Brick Works, St. Louis, Mo. *48
Washington Hydraulic-Press Brick Co., Washington, D. C. *48
Wyandance Brick & Terra Cotta Co., 19 Park Place, New York.

D. PRESSED BRICK.
Anness & Lysle, Woodbridge, N. J.
Austin Pressed Brick Co., Austin, Minn.
H. O. Burch Mfg. Co., New London, Conn.
Burns, Russell & Co., Baltimore, Md.
Chicago Hydraulic-Press Brick Co., Chicago, Ill. *48
Collinsville Hydraulic-Press Brick Co., Collinsville, Ill. *48
Eastern Hydraulic-Press Brick Co., Winslow Junc., N. J. *48
Findlay Hydraulic-Press Brick Co., Findlay, O. *48
Glens Falls Terra Cotta & Brick Co., Glens Falls, N. Y.
Hydraulic-Press Brick Co., Odd Fellows Build'g, St. Louis, Mo. *48
Kansas City Hydraulic-Press Brick Co., Kansas City, Mo. *48
La Salle Pressed Brick Co., La Salle, Ill.
C. B. Lovatt & Bros., Pittsburgh, Pa.
N. Y. Anderson Pressed Brick Co., 132 Mangin St., New York.
Omaha Hydraulic-Press Brick Co., Omaha, Neb. *48
Peerless Brick Co., 24 S. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Tiffany Pressed Brick Co., Baltimore, Md.
Union Press Brick Works, St. Louis, Mo. *48
Washington Hydraulic-Press Brick Co., Washington, D. C. *48
Welch, Gloninger & Co., Hamilton Building, Pittsburgh, Pa.

E. TERRA COTTA BRICK.
H. O. Burch Mfg. Co., New London, Conn.
Equitable Brick Works, Ltd., S. 56th & Walnut Sts., Phila., Pa.
N. Y. Anderson Pressed Brick Co., 132 Mangin St., New York.
Raritan Hollow & Porous Brick Co., Raritan, N. J.
Reading Terra Cotta Works, Reading, Pa.
Sergeant Bluffs & Sioux City T. C. T. & B. Co., Sioux City, Iowa.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal.
Wyandance Brick & Terra Cotta Co., 19 Park Place, New York.

217. BRIDGES.

A. IRON & STEEL BRIDGES.
D. H. Andrews, 70 Kilby St., Boston, Mass.
Berlin Iron Bridge Co., E. Berlin, Conn.
California Bridge Co., San Francisco, Cal.
Chicago Forge & Bolt Co., 40th St. & Stewart Av., Chicago, Ill.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Cofrode & Saylor, 257 S. 4th St., Philadelphia, Pa.

Columbia Bridge Co., Dayton, O.
Detroit Bridge & Iron Works, Detroit, Mich.
Edge Moor Iron Co., Edge Moor, Del.
R. F. Hawkins, Springfield, Mass.
Iron City Bridge Works, Pittsburgh, Pa.
Jones & Benner Co., 218 S. 4th St., Philadelphia, Pa.
K. C. Bridge & Iron Co., Kansas City, Mo.
Keystone Bridge Co., Pittsburgh, Pa.
King Iron Bridge & Mfg. Co., Cleveland, O.
Lassing Bridge & Iron Works, Chicago, Ill.
Moseley Iron Bridge & Roofing Co., 5 Dey St., New York.
New Jersey Steel & Iron Co., Trenton, N. J.
Passaic Rolling Mill Co., Paterson, N. J.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Pittsburgh Bridge Co., Pittsburgh, Pa.
Portland Co., Portland, Me.
Rochester Bridge & Iron Works, Rochester, N. Y.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Union Bridge Co., Buffalo, N. Y.

B. SUSPENSION BRIDGES.
John A. Roebling's Sons Co., Trenton, N. J.

C. WOODEN BRIDGES.
R. F. Hawkins, Springfield, Mass.
Portland Co., Portland, Me.

218. BRIDGE FOUNDATIONS.
Iron Substruction Co., Columbus, O.
Bernard Kelly & Son, 187 West St., New York.
Phœnix Bridge Co., Philadelphia, Pa.
Saulspaugh & Co., Minneapolis, Minn.

219. BRIDLE IRONS.
J. F. Bolles & Co., Detroit, Mich.
Healey Iron Works, 138 Driggs St., Brooklyn, N. Y.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Lincoln Iron Works, Boonton, N. J.

220. BUILDING FRAMES, IRON.
Cheney & Hewlett, 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
Fort Worth Iron Works, Fort Worth, Tex.
Garry Iron & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
R. F. Hawkins Iron Works, Springfield, Mass.
Phœnix Iron Co., Trenton, N. J.
Geo. Reeves, Niles, O.

221. BUILDING FRONTS, IRON.
J. B. & J. M. Cornell, 141 Centre St., New York.
Dickson Mfg. Co., Scranton, Pa.
J. G. & T. Dimond, 209 W. 33d St., New York.
Fort Worth Iron Works, Fort Worth, Tex.
R. F. Hawkins Iron Works, Springfield, Mass.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Mansfield Machine Works, Mansfield, O.
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
Phœnix Iron Co., Trenton, N. J.
Vulcan Iron Works, Wilkesbarre, Pa. *131

A. STORE FRONTS.
S. B. Althause & Co., 101 Thompson St., New York.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Christopher & Simpson Arch. Iron & F. Co., St. Louis, Mo.
J. B. & J. M. Cornell, 141 Centre St., New York.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
Linton Mfg. Co., Saginaw, E. S., Mich.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.
Vulcan Iron Works, Wilkesbarre, Pa. *131
Wheeler Foundry Co., Worcester, Mass.

222. CEILING.

A. CORRUGATED CEILING.
Cincinnati Corrugating Co., Piqua, O.
W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
Missouri Iron Roofing & Corrugating Co., 1505 S. 2d St., St. Louis, Mo.
Standard Iron Co., Bridgeport, O.
Wheeling Corrugating Co., Wheeling, W. Va. *46

B. FIRE CLAY CEILING.
Wight Fire Proofing Co., 266 Dearborn St., Chicago, Ill.

C. METAL CEILING.
Caldwell & Peterson Mfg. Co., Wheeling, W. Va.
Cortright Metal Roofing Co., 441 N. Broad St., Phila., Pa.
W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
Mesker & Bro., 42 S. 6th St., St. Louis, Mo.
J. S. Thorn, 1227 Callowhill St., Philadelphia, Pa.
Wheeling Corrugating Co., Wheeling, W. Va. *46

D. PARQUET CEILING.
Boughton & Terwilliger, 23d St. & 5th Av., New York.

	E. B. Moore & Co., 483 Randolph St., Chicago, Ill.
E. TERRA COTTA CEILING.	Boston Terra Cotta Co., 94 Federal St., Boston, Mass.
	Raritan Hollow & Porous Brick Co., Raritan, N. J.
	Reading Terra Cotta Works, Reading, Pa.
223. CEMENT.	Buffalo Cement Co., Buffalo, N. Y.
	H. N. Camp & Sons, 55 Liberty St., New York.
	Chalmers-Spence Co., 419 8th St., New York.
	Geo. H. Henchman, Galveston, Tex.
	Hudson River Cement Co., 229 Broadway, New York.
	Milwaukee Cement Co., Milwaukee, Wis.
	C. A. Moross & Co., Chattanooga, Tenn.
	Newark Lime & Cement Co., Newark, N. J.
	New York Cement Co., Le Fever Falls, N. Y.
	Tomkins Cove Lime Co., Tomkins Cove, N. Y.
	Union Akron Cement Co., Buffalo, N. Y.
	Utica Cement Mfg. Co., 98 Market St., Chicago, Ill.
A. ASBESTOS CEMENT.	Asbestos Packing Co., 169 Congress St., Boston, Mass.
	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
	John A. McConnell & Co., Pittsburgh, Pa.
	Shields & Brown Co., 240 Randolph St., Chicago, Ill.
	H. F. Watson Co., Erie, Pa.
B. HYDRAULIC CEMENT.	Hugh N. Camp & Son, Siegfried, Pa.
	H. W. Classen & Co., Baltimore, Md.
	Henry Cowell & Co., San Francisco, Cal.
	Cumberland Hydraulic Cement Mfg. Co., Cumberland, Md.
	Lawrenceville Cement Co., 115 Broadway, New York.
	N. Y. Cement Co., Le Fever Falls, New York.
	N. Y. & Rosendale Cement Co., 229 Broadway, New York.
	F. O. Norton, 92 Broadway, New York.
	S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O. *54
	Tomkins Cove Lime Co., Tomkins Cove, N. Y.
C. PORTLAND CEMENT.	American Cement Co., Egypt, Pa.
	American Improved Cement Co., 216 S. 3d St., Philadelphia, Pa.
D. ROOFING CEMENT.	Philip Carey Mfg. Co., 117 Gilbert Av., Cincinnati, O.
	Chalmers-Spence Co., 419 E. 8th St., New York.
	Garry Iron & Steel Roofing Co., Cleveland, O. *44
	C. A. Hart, Troy, N. Y.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
	New York Roofing Co.. 437 E. 23d St., New York.
	Troy Paint & Color Works, Troy, N. Y.
	H. F. Watson Co., Erie, Pa.
	Wheeling Corrugating Co., Wheeling, W. Va. *46
E. ROOFING CEMENT, ELASTIC.	C. A. Hart, Troy, N. Y.
	Troy Paint & Color Works, Troy, N. Y.
	U. S. Gutta Percha Paint Co., Providence, R. I.
	Wm. F. Webster, Cambridgeport, Mass.
224. CEMETERY SUPPLIES.	
A. CEMETERY GATES.	North American Iron Works, 40 Walton St., Brooklyn, N. Y.
B. CEMETERY RAILINGS.	Champion Iron Co., Kenton, O.
	J. W. Fiske, 26 Park Place, New York.
	Howard & Morse, 45 Fulton St., New York.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Young & Schlough, Easton, Pa.
C. CEMETERY VAULT DOORS.	J. H. Van Dorn, Cleveland, O.
D. GRAVE BORDERS.	J. W. Fiske, 26 Park Place, New York.
E. GRAVE COVERS, SLATE.	D. C. Pratt, 32 Church St., New York.
F. GRAVE GUARDS.	E. T. Barnum, Detroit, Mich.
G. GRAVE TABLETS.	J. W. Fiske, 26 Park Place, New York.
H. GRAVE VAULTS, STONE.	Armstrong Bros., Springfield, O.
	Cleveland Stone Co., Cleveland, O.
	Davidson & Sons, ft. N. Market St., Chicago, Ill.
I. MONUMENTS.	Davidson & Sons, ft. N. Market St., Chicago, Ill.
	J. & R. Lamb, 59 Carmine St., New York.
	Maine Red Granite Co., Red Beach, Me.
	New England Monument Co., 1321 Broadway, New York.
225. CHIMNEYS.	
A. CHIMNEY FLUES.	Calumet Fire Clay Co., Calumet, O.
	Gladding, McBean & Co., Lincoln, Cal.
	Pacific Clay Mfg. Co., Los Angeles, Cal.
	Pittsburgh Clay Mfg. Co., New Brighton, Pa.
	N. U. Walker Clay Mfg. Co., Walkers, O.
B. CHIMNEY FLUE LININGS.	Calumet Fire Clay Co., Calumet, O.
	Delaware Terra Cotta Co., Wilmington, Del.
	Denver Fire Clay Mfg. Co., Denver, Col.
	Evens & Howard Fire Brick Co., 916 Market St., St. Louis, Mo.

John Francy's Sons & Co., Toronto, O.
Haydenville Mining & Mfg. Co., Haydenville, O.
Iowa Pipe & Tile Co , Des Moines, Iowa.
Montague & Co., Chattanooga, Tenn.
Pioneer Fireproof Construction Co., Ottawa, Ill.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Stoneware Pipe Co., Alton Junction, Ill.

C. CHIMNEYS, IRON.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Bridgeport Boiler Works, Bridgeport, Conn.
R. F. Hawkins Iron Works, Springfield, Mass.

D. CHIMNEY PIPES.
Camp & Thompson, Cuyahoga Falls, O.
Gladding, McBean & Co., Lincoln, Cal.
Harvey, Moland & Co., 620 Arch St., Philadelphia, Pa.
Montague & Co., Chattanooga, Tenn.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Stoneware Pipe Co., Alton Junction, Ill.

E. CHIMNEY TOPS.
H. O. Burch Mfg. Co., New London, Conn.
Calumet Fire Clay Co., Calumet, O.
John Francy's Sons & Co., Toronto, O.
Pacific Clay Mfg. Co., Los Angeles, Cal.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Stoneware Pipe Co., Alton Junction, Ill.

F. CHIMNEY TOPS, REVOLVING.
Iwan Bros., Streator, Ill.
Powers Bros., Streator, Ill.

226. COAL HOLE COVERS.
J. W. Fiske, 28 Park Place, New York.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.

227. COLUMNS.

A. IRON COLUMNS.
American Iron & Steel Works, Pittsburgh, Pa.
Baugher, Kurtz & Stewart, York, Pa.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
Sam'l J. Creswell Iron Works, N. 23d & Cherry Sts., Phila., Pa.
Dearborn Foundry Co., 1525 Dearborn St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
J. G. & J. Dimond, 209 W. 33d St., New York.
Emporia Foundry & Machine Works, Emporia, Kan.
R. V. Hawkins Iron Works, Springfield, Mass.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Geo. R. Lombard & Co., Augusta, Ga.
Duncan Mackenzie, Trenton, N. J. *118
Mansfield Machine Works, Mansfield, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Novelty Iron Works, 3124 Market St., Philadelphia, Pa.
Phœnix Bridge Co., Philadelphia, Pa.
Phœnix Iron Co , Trenton, N. J.
J. E. Randle & Co., Memphis, Tenn.
Reynolds Iron Works, New Orleans, La.
Scherpe & Koken A. I. Co., 8th St. & Park Av., St. Louis, Mo.
Snead & Co. Iron Works, Louisville, Ky.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Variety Iron Works, York, Pa.
Vulcan Iron Works, Wilkesbarre, Pa. *131

B. STONE COLUMNS.
Farnham Marble & Mantel Co., Minneapolis, Minn.
Maine Red Granite Co., Red Beach, Me.
J. G. Mott & Co., Joliet, Ill.

228. CONSERVATORIES.
Jos. Plenty, 144 Pearl St., New York.

229. COPING.

A. METAL COPING.
Cincinnati Corrugating Co., Piqua, O.
Cortright Metal Roofing Co., 441 N. Broad St., Phila., Pa.
Mansfield Machine Works, Mansfield, O.

B. STONE COPING.
Bayfield Brown Stone Co., Bayfield, Wis.
H. O. Burch Mfg. Co., New London, Conn.
F. G. Clark Blue Stone Co., Oxford, N. Y. *37
R. Gill & Sons, ft. E. 106th St., New York.
M. C. Henry & Co., ft. E. 79th St., New York.
Malone Stone Co., Cleveland, O.
Prentice Brown Stone Co., Ashland, Wis.
Republic Marble Co., Concord, Tenn.
Wm. C. Townsend, Zanesville, O.

C. TERRA COTTA COPING.
Camp & Thompson, Cuyahoga Falls, O.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Raritan Hollow & Porous Brick Co., Raritan, N. J.

Reading Terra Cotta Works, Reading, Pa.
Sergeant Bluffs & Sioux City T. C. T. & B. Co., Sioux City, Ia.
Union Pressed Brick & Terra Cotta Works, San Francisco, Cal.

230. CORNICES.

A. COPPER CORNICES.

Architectural Sheet Metal Works, 205 E. 99th St., New York.
S. D. Hicks & Son, 65 Merrimac St., Boston, Mass.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
Thos. Phillips & Co., Providence, R. I.
St. Paul Roofing & Cornice Works, St. Paul, Minn.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.

B. GALVANIZED IRON CORNICES.

E. B. Badger & Son, 166 Devonshire St., Boston, Mass.
Bartlett, Hayward & Co., Baltimore, Md.
George Fischer Bro., 209 Forsyth St., New York.
J. F. Forderer, 224 Mission St., San Francisco, Cal.
Grygla & Selden, Minneapolis, Minn.
S. D. Hicks & Son, 65 Merrimac St., Boston, Mass.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
James Hunter & Co., Cincinnati, O.
Kniseley & Son, 99 Bunker St., Chicago, Ill.
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
W. H. Mullins, Salem, O.
Rasner & Dinger, Pittsburgh, Pa.
Scribner-Libbey Co., St. Paul, Minn.
J. S. Thorn, 1227 Callowhill St., Philadelphia, Pa.
Chas. Thuener & Co., 8 S. Jefferson Av., St. Louis, Mo.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
Wheeling Corrugating Co., Wheeling, W. Va. *46
Witt & Brown, 144 W. 3d St., Cincinnati, O.

C. IRON CORNICES.

Cheney & Hewlett, 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Mansfield Machine Works, Mansfield, O.
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
Moseley Iron Bridge & Roof Co., 5 Dey St., New York.
W. H. Mullins, Salem, O.
Phœnix Iron Co., Trenton, N. J.
Shackleton Bros., Cleveland, O.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.

D. WINDOW CORNICES.

Blanck & Co., 16 Horatio St., New York.
Reuhl Moulding Mfg. Co., 294 Main St., Cincinnati, O.

E. WOOD CORNICES.

Owen Cumisky, 145 11th Av., New York.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
John Moore & Co., Syracuse, N. Y.

231. DOORS.

Bardwell, Robinson & Co., Minneapolis, Minn.
Bivins, Venable & Co., Dallas, Tex.
Bohn Mfg. Co., St. Paul, Minn.
Boller & Rechtenwalt, Buffalo, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Buffalo Door & Sash Co., cor. 9th Av. & 124th St., New York.
W. P. Brewer, Birmingham, Ala.
Carr, Ryder & Engler Co., Dubuque, Iowa.
Clough Bros., Minneapolis, Minn.
Curtis Bros. & Co., Clinton, Iowa.
Daniel & Nauman Co., Waterloo, Iowa.
Derby Bldg. & Lumber Co., Derby, Conn.
M. A. Disbrow & Co., Omaha, Neb.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
J. Gibb Smith Co., New Haven, Conn.
Gould Mfg. Co., Oshkosh, Wis.
Gregg & Son, Nashua, N. H.
Jos. Hafner Mfg. Co., Dock & Main Sts., St. Louis, Mo.
C. J. Hamilton, Buffalo, N. Y.
Henderson, Hull & Co., Montgomery, Pa.
Hughes Lumber Co., Chattanooga, Tenn.
Huttig Bros. Mfg. Co., Muscatine, Iowa.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
Laird-Norton Co., Winona, Minn.
Linton Mfg. Co., E. Saginaw, Mich.
Loomis & Hart Mfg. Co., Chattanooga, Tenn.
Martin & Driebholz, Ramos, La.
Mathew Bros., Belfast, Me.
S. N. Maxcy Mfg. Co., Gardiner, Me.
W. B. Mershon & Co., Saginaw, East Side, Mich.
C. D. Morse & Co., Milbury, Mass.
Edgar Munson, Williamsport, Pa.

Murphy & Diebold, Pittsburgh, Pa.
Newton Lumber Co., Pueblo, Col.
Palmer, Fuller & Co., W. 22d & S. Union Sts., Chicago, Ill.
Philbert & Johanning Mfg. Co., 1502 Market St., St. Louis, Mo.
Phœnix Lumber Co., Houston, Tex.
Prewitt, Spurr & Co., Nashville, Tenn.
Radford Bros. & Co., Oshkosh, Wis.
Reed & Sherwood, Anoka, Minn.
Riddle, Rehbein & Co., 13th & O'Fallon Sts., St. Louis, Mo.
A. Roberson, Binghamton, N. Y. *253
E. L. Roberts & Co., W. 22d & Lumber Sts., Chicago, Ill.
Robinson Planing Mill Co., Cincinnati, O.
Rock Island Lumber Co., Rock Island, Ill.
Smith & Wyman, Minneapolis, Minn.
South Pittsburgh Planing Mill Co., Pittsburgh, Pa.
Swain & Hudson, Marysville, Cal.
Jesse Thompson & Co., Augusta, Me.
P. P. Toale, Charleston, S. C.
Verdi Mill Co., Verdi, Nev.
Watkins & Fuller Lumber Co., 22d & Throop Sts., Chicago, Ill.
Western Sash & Door Co., Kansas City, Mo.
Whitehurst & Owen, Richmond, Va.
E. P. Wilce & Co., W. 22d & Throop Sts., Chicago, Ill.
Wm. Willer, Milwaukee, Wis.
Williams & Hunting, Cedar Rapids, Iowa.
Wilson & Bro., San Francisco, Cal.
Winona Lumber Co., Winona, Minn.
Wright & Boyle, Oswego, N. Y.
Youmans Bros. & Hodgins, Winona, Minn.

A. CORRUGATED IRON DOORS.

Cincinnati Corrugating Co., Piqua, O.
Wheeling Corrugating Co., Wheeling, W. Va. *46

B. FIRE PROOF DOORS.

Nelson Beckwith, 41 Beverly St., Boston, Mass.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Cincinnati Corrugating Co., Piqua, O.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Thompson Mfg. Co., Cleveland, O.
Vulcan Iron Works, Wilkesbarre, Pa. *131
Wheeling Corrugating Co., Wheeling, W. Va. *46

C. IRON DOORS.

Berlin Iron Bridge Co., East Berlin, Conn.
J. E. Bolles & Co., Detroit, Mich.
A. Bolter & Sons, 174 Van Buren St., Chicago, Ill.
S. Booth, 543 W. 35th St., New York.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
Cincinnati Corrugating Co., Piqua, O.
J. S. Cochrane, 195 S. 5th Av., New York.
J. B. & J M. Cornell, 141 Centre St., New York.
Garry Iron & Steel Roofing Co., 152 Merwin St., Cleve., O. *44
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
H. B. Smith Co., Westfield, Mass. *55
J. H. Van Dorn, Cleveland, O.
Vulcan Iron Works, Wilkesbarre, Pa. *131
Wheeling Corrugating Co., Wheeling, W. Va. *46

D. SCREEN DOORS.

E. T. Burrowes & Co., Portland, Me.
Corlies, Chapman & Drake, St. Paul, Minn.
J. A. Dubuar Mfg. Co., Northville, Mich.
Eagle Machine Co., Lancaster, O. *114
A. J. Griffin, Cohoes, N. Y.
Linton Mfg. Co., E. Saginaw, Mich.
Oval Churn Co., Goshen, Ind.
Alonzo Roberson, Binghamton, N. Y. *253
Wm. Willer, Milwaukee, Wis.

232. DOOR & WINDOW FRAMES.

John Benoit, W. Troy, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
W. P. Brewer, Birmingham, Ala.
Cunningham & Young, Troy, N. Y.
Glendon Co., 45 Kilby St., Boston, Mass.
Gould Mfg. Co., Oshkosh, Wis.
A. J. Griffin, Cohoes, N. Y.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
Linton Mfg. Co., Saginaw, E. S., Mich.

Martin & Driebholz, Ramos, La.
Philbert & Johanning Mfg. Co., 1502 Market St., St. Louis, Mo.
A. Roberson, Binghamton, N. Y. *253
E. L. Roberts & Co., W. 22d & Lumber Sts., Chicago, Ill.
St. Louis Mfg. Co., Mullanphy cor. 10th St., St. Louis, Mo.
J. Gibb Smith & Co., New Haven, Conn.
Smith & Wyman, Minneapolis, Minn.
Swain & Hudson, Marysville, Cal.
Arthur F. Tyler, Athol, Mass. *44
Verdi Mill Co., Verdi, Nev.
Wm. Willer, Milwaukee, Wis.

233. DOOR & WINDOW SCREEN FRAMES.

John Benoit, W. Troy, N. Y.
John W. Boughton, 1207 Chestnut St., Philadelphia, Pa.
Cunningham & Young, Troy, N. Y.
A. J. Griffin, Cohoes, N. Y.
Linton Mfg. Co., Saginaw, E. S., Mich.
Maine Mfg. Co., Fairfield, Me.
Wm. Willer, Milwaukee, Wis.

234. DOOR & WINDOW SILLS.

A. IRON DOOR & WINDOW SILLS.

Berlin Iron Bridge Co., E. Berlin, Conn.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
Emporia Foundry & Machine Works, Emporia, Kan.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
J. H. Van Dorn, Cleveland, O.
Vulcan Iron Works, Wilkesbarre, Pa. *131

B. STONE DOOR & WINDOW SILLS.

F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Thos. J. Dunn, 444 E. 68th St., New York.
Greystone Granite & Construction Co., Raleigh, N. C.
Warsaw Blue Stone Co., Warsaw, N. Y.

235. DRAIN PIPE.

A. CULVERT PIPE.

Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
Blackmer & Post, Laclede Building, St. Louis, Mo.
H. O. Burch Mfg. Co., New London, Conn.
Calumet Fire Clay Co., Calumet, O.
Chattanooga Foundry & Pipe Co., Chattanooga, Tenn.
Evens & Howard Fire Brick Co., 916 Market St., St. Louis, Mo.
Kansas City Sewer Pipe Co., Kansas City, Mo.
Knowles, Taylor & Anderson, E. Liverpool, O.
McMahan, Porter & Co., New Cumberland, W. Va.
Montague & Co., Chattanooga, Tenn.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Stoneware Pipe Co., Alton Junction, Ill.

B. DRAIN TILE.

Birmingham Fire Brick Works, Birmingham, Ala.
T. Bishop & Co., Louisville, Ky.
H. O. Burch Mfg. Co., New London, Conn.
Calumet Fire Clay Co., Calumet, O.
N. Clark & Sons, San Francisco, Cal.
Iowa Pipe & Tile Co., Des Moines, Iowa.
Kansas City Sewer Pipe Co., Kansas City, Mo.
Montague & Co., Chattanooga, Tenn.
Pacific Clay Mfg. Co., Los Angeles, Cal.
Stoneware Pipe Co., Alton Junction, Ill.
M. D. Valentine & Bro., Woodbridge, N. J.

C. SEWER PIPE.

Akron Sewer Pipe Co., Akron, O.
American Pipe Mfg. Co., Germantown Junction, Pa.
Birmingham Fire Brick Works, Birmingham, Ala.
Blackmer & Post, Laclede Building, St. Louis, Mo.
Buckeye Sewer Pipe Co., Akron, O.
Buffalo Sewer Pipe Co , Buffalo, N. Y.
H. O. Burch Mfg. Co., New London, Conn.
Calumet Fire Clay Co., Calumet, O.
N. Clark & Sons, San Francisco, Cal.
Dickson Mfg. Co., Scranton, Pa.
Evens & Howard Fire Brick Co., 916 Market St., St. Louis, Mo.
John Francy's Sons & Co., Toronto, O.
Gladding, McBean & Co., Lincoln, Cal.
Great Western Fire Clay Co., Toronto, O.
Harvey, Moland & Co., 620 Arch St., Philadelphia, Pa.
Hill Sewer Pipe Co., Akron, O.
Iowa Pipe & Tile Co., Des Moines, Iowa.

Kansas City Sewer Pipe Co., Kansas City, Mo.
McMahan, Porter & Co., New Cumberland, W. Va.
Montague & Co., Chattanooga, Tenn.
Moore & Rawlins, Dallas, Tex.
Moores & Co., Cincinnati, O.
Otis & Gorsline, Rochester, N. Y.
Pacific Clay Mfg. Co., Los Angeles, Cal.
Pennsylvania Mfg., Mining & Supply Co., Pittsburgh, Pa.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Portland Stoneware Co., Portland, Me.
Prentice & Hackett, Pittsburgh, Pa.
Robinson Bros. & Co., Akron, O.
Salamander Works, Woodbridge, N. J.
Geo. P. Sperry, Tallmadge, O.
Standard Sewer Pipe Co., Rochester, N. Y.
Stoneware Pipe Co., Alton Junction, Ill.

236. EAVES TROUGHS.

A. METAL EAVES TROUGHS.

Berger Bros., 237 Arch St., Philadelphia, Pa.
Canton Steel Roofing Co., Canton, O.
Eckel & Co., Richmond, Ind.
Thompson Mfg. Co., Cleveland, O.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
Wheeling Corrugating Co., Wheeling, W. Va. *46

B. RAIN WATER CUT-OFF.

Hess, Snyder & Co., Massillon, O.

C. WOOD EAVES TROUGHS.

Glendon Co., 45 Kilby St., Boston, Mass.
St. Louis Refrigerator & Wooden Gutter Co., St. Louis, Mo.
Wm. Willer, Milwaukee, Wis.

237. FENCING.

A. IRON FENCES.

Barbee Iron & Wire Works, Lafayette, Ind.
J. E. Bolles & Co., Detroit, Mich.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Bristol Foundry & Machine Works, Bristol, Tenn.
Carlisle Mfg. Co., Carlisle, Pa.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
J. W. Fiske, 28 Park Place, New York.
O. K. Harry, Dallas, Tex.
R. F. Hawkins Iron Works, Springfield, Mass.
Howard & Morse, 45 Fulton St., New York.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Indianapolis Fence Co., Indianapolis, Ind.
Geo. H. Jones Sons, Buffalo, N. Y.
Kilmer Mfg. Co., Newburgh, N. Y.
J. & R. Lamb, 59 Carmine St., New York.
Lima Iron Fence Co., Lima, O.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Mast, Foos & Co., Springfield, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Ewald Over, Indianapolis, Ind.
Owen & Salters, N. 12th & Buttonwood Sts., Philadelphia, Pa.
Rogers Fence Co., Springfield, O.
Sherman Iron Works, Sherman, Tex.
J. H. Van Dorn, Cleveland, O.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

B. LATH FENCING.

Petaluma Incubator Co., Petaluma, Cal.

C. PICKET FENCES.

Betts Fencing Co., Palmer, Mass.
Ottawa Gate Mfg. Co , Ottawa, O.

D. PUNCHED RAIL FENCES.

Champion Iron Co., Kenton, O.
Mast, Foos & Co., Springfield, O.

E. STEEL FENCING.

Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Expanded Metal Co., 62 W. Moore St., Chicago, Ill.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hartman Mfg. Co., Beaver Falls, Pa.
Sedgwick Bros., Richmond, Ind.

F. STEEL WIRE PICKET FENCING.

Decatur Lumber & Mfg. Co., Decatur, Ill.
Indianapolis Fence Co., Indianapolis, Ind.

G. WIRE FENCING.

Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Brockner-Evans Bale Tie Co., 819 N. 2d St., St. Louis, Mo.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
Buck-Thorn Fence Co., Trenton, N. J.
Clinton Wire Cloth Co., 76 Beekman St., New York.
Covington Picket Wire Fence Co., Covington, Ky.
De Witt Wire Cloth Co., 32 Reade St., New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hazard Mfg. Co., Wilkesbarre, Pa.
Howard & Morse, 45 Fulton St., New York.

Hulbert Fence & Wire Co., 905 Olive St., St. Louis, Mo.
Indiana Wire Fence Co., Crawfordsville, Ind.
Kilmer Mfg. Co., Newburgh, N. Y.
McCosh Iron & Steel Co., Burlington, Vt.
New Haven Wire Mfg. Co., New Haven, Conn.
John A. Roebling's Sons Co., Trenton, N. J.
Sedgwick Bros., Richmond, Ind.
J. H. Van Dorn, Cleveland, O.

238. FIRE BRICK.

Auld & Conger, Cleveland, O.
Birmingham Fire-Brick Works, Birmingham, Ala.
Blackmer & Post, Laclede Building, St. Louis, Mo.
Bolivar Fire Brick Co., Pittsburgh, Pa.
Calumet Fire Clay Co., Calumet, O.
N. Clark & Sons, San Francisco, Cal.
Chas. D. Colson, Chicago, Ill.
Denver Fire Clay Co., Denver, Col.
Dunbar Fire Brick Co., Dunbar, Pa.
Evens & Howard Fire Brick Co., 916 Market St., St. Louis, Mo.
John Francy's Sons & Co., Toronto, O.
J. H. Gautier & Co., Jersey City, N. J.
Hall & Sons, Buffalo, N. Y.
Harbison & Walker, Pittsburgh, Pa.
Harrisburg Fire Brick Works, Harrisburg, Pa.
Haydenville Mining & Mfg. Co., Haydenville, O.
Iowa Pipe & Tile Co., Des Moines, Iowa.
Kansas City Sewer Pipe Co., Kansas City, Mo.
B. Kreischer & Sons, 132 Mangin St., New York.
Laclede Fire Brick Mfg. Co., 901 Pine St., St. Louis, Mo.
McMahan, Porter & Co., New Cumberland, W. Va.
McLeod & Henry Co., Troy, N. Y.
Henry Maurer & Son, 420 E. 23d St., New York.
Montague & Co., Chattanooga, Tenn.
Newton & Co., Albany, N. Y.
S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O. *54
Ostrander Fire Brick Co., Troy, N. Y.
Pacific Clay Mfg. Co., Los Angeles, Cal.
Park Fire Clay Co., Freedom, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Phila. Fire Brick & Clay Retort Works, 2306 Vine St., Phila., Pa.
Pioneer Fireproof Construction Co., Ottawa, Ill.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Presby Stove Lining Co., Taunton, Mass.
Salamander Works, Woodbridge, N. J.
Savage Fire Brick Co., Keystone Junction, Pa.
Somerset Potters Works Co., Somerset, Mass.
Trenton Terra Cotta Co. Trenton, N. J.
M. D. Valentine & Bro., Woodbridge, N. J.
Adam Weber, 633 E. 15th St., New York.
Welch, Gloninger & Maxwell, Pittsburgh, Pa.
Edward D. White & Co., 88 Van Dyke St., Brooklyn, N. Y.
Woodland Fire Brick Co., Woodland, Pa.

A. FIREPROOF HOLLOW BRICK.

Birmingham Fire Brick Works, Birmingham, Ala.
Gladding, McBean & Co., Lincoln, Cal.
John Lyth & Sons, Buffalo, N. Y.
Henry Mauer & Son, 420 E. 23d St., New York.
Pioneer Fireproof Construction Co., 1545 Clark St., Chicago, Ill.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Raritan Hollow & Porous Brick Co., Raritan, N. J.
Somerset Potters Works. Somerset, Mass.

239. FIRE CLAY.

Bardolph Fire Clay Works, Avon, Ill.
Birmingham Fire Brick Works, Birmingham, Ala.
Christy Fire Clay Co., Laclede Bldg., St. Louis, Mo.
N. Clark & Sons, San Francisco, Cal.
Denver Fire Clay Co., Denver, Col.
Great Western Fire Clay Co., Toronto, O.
Haydenville Mining & Mfg. Co., Haydenville, O.
B. Kreischer & Sons, 132 Mangin St., New York.
McLeod & Henry Co., Troy, N. Y.
Henry Mauer & Son, 420 E. 23d St., New York.
Pioneer Fireproof Construction Co., Ottawa, Ill.
Presby Stove Lining Co., Taunton, Mass.
Vulcan Clay Co., Wellsville, O.
N. U. Walker Clay Mfg. Co. Walkers, O.
Wassall Fire Clay Co., Columbus, O.

240. FIRE ESCAPES.

J. E. Bolles & Co., Detroit, Mich.
Champion Iron Co., Kenton, O.

J. D. Cochrane, 195 S. 5th Av., New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
R. F. Hawkins Iron Works, Springfield, Mass.
Howard & Morse, 45 Fulton St., New York.
Illinois Iron Works, 172 Van Buren St , Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
M. Mahoney, Troy, N. Y.
Marshall Bros., Pittsburgh, Pa.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Owen & Satter, N. 12th & Buttonwood Sts., Philadelphia, Pa.
Springfield Iron Works, Springfield, Mass.
J. H. Van Dorn, Cleveland, O.

241. FIREPLACES.

Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Magee Furnace Co., 32 Union St., Boston, Mass.

A. FIREPLACE LININGS.

W. H. Jackson & Co., 28th St. & 2d Av., New York.
Isaac A. Sheppard & Co., N. 4th St. & Montg'y Av., Phila., Pa.

242. FIRE PROOFING MATERIALS.

Asbestos Packing Co., 169 Congress St., Boston, Mass.
Chalmers-Spence Co., 419 8th St., New York.
Denver Fire Clay Co., Denver, Col.
John Francy s Sons & Co., Toronto, O.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Henry Mauer & Son, 420 E. 23d St., New York.
Philadelphia Fire Proofing & Brick Co., 24 S. 7th St., Phila., Pa.
Pioneer Fireproof Construction Co., Ottawa, Ill.

A. GROUND BRICK.

Denver Fire Clay Co., Denver, Col.
Pioneer Fireproof Construction Co., Ottawa, Ill.
Wyandance Brick & Terra Cotta Co., 19 Park Place, New York.

243. FLOORING.

Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Atlanta Lumber Co., Atlanta, Ga.
Chas. G. Blatchley, 25 N. Junction St., Philadelphia, Pa.
T. W. Harvey Lumber Co., 825 The Rookery, Chicago, Ill.
L. R. Millen & Co., 16 Beaver St., New York.
Murphy & Diebold, Pittsburgh, Pa.
Prewitt, Spurr & Co., Nashville, Tenn.
Alonzo Roberson, Binghamton, N. Y. *253
W. H. H. Smith & Co., Toledo, O.
South Pittsburgh Planing Mill Co., Pittsburgh, Pa.
H. H. Thornton, Pensacola, Fla.
Verdi Mill Co., Verdi, Nev.

A. DRYING FLOORS.

R. Aitchison Perf. Metal Co., 76 E. Van Buren St., Chicago, Ill.

B. GLUED FLOORING.

Compound Lumber Co., 421 Home Insur. Bldg., Chicago, Ill.

C. IRON FLOORS.

Cheney & Hewlett, 207 Broadway, New York.
Phœnix Bridge Co., Philadelphia, Pa.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

D. MALT KILN FLOORS.

Skinner & Arnold, Albany, N. Y.

E. PARQUET FLOORS.

John W. Boughton, 1207 Chestnut St., Philadelphia, Pa.
Boughton & Terwilliger, 23d St. & 5th Av., New York.
E. B. Moore & Co., 48 Randolph St., Chicago, Ill.
Racine Hardware Mfg. Co., Racine, Wis.

244. FRET WORK.

Bradley & Currier Co. Ltd, Hudson & Spring Sts., New York.
Chicago Grille Mfg. Co., 164 Dearborn St., Chicago, Ill.
Cross, Austin & Co., Kent Av. & Cross St., Brooklyn, N. Y.
Hall & Garrison, 1126 Washington Av., Philadelphia, Pa.
Geo. W. Light Mfg. Co., 712 W. Van Buren St., Chicago, Ill.
Mershon, Brown & Co., Saginaw, Mich.
Alonzo Roberson, Binghamton, N. Y. *253

245. FURNACE BLOCKS.

Borgner & O'Brien, N. 23d & Race Sts., Philadelphia, Pa.
Jas. R. Floyd & Sons, 539 W. 20th St., New York.
Jas. Gardner, Cumberland, Md.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
M. D. Valentine & Bro., Woodbridge, N. J.

246. GAS HOLDERS.

Bartlett, Hayward & Co., Baltimore, Md.
Deily & Fowler, 39 Laurel St., Philadelphia, Pa.
Jas. R. Floyd & Sons, 539 W. 20th St., New York.
Phœnix Iron Co., Trenton, N. J.
Providence Steam Engine Co., Providence, R. I.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Swamscot Machine Co., South Newmarket, N. H.
John Turl & Sons, 534 W. 28th St., New York.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

247. GATES.

A. AUTOMATIC GATES.
Nelson Beckwith, 41 Beverly St., Boston, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
J. H. Van Dorn, Cleveland, O.

B. FARM GATES.
Expanded Metal Co., 60 W. Monroe St., Chicago, Ill.
Ottawa Gate Mfg. Co., Ottawa, O.
Winship Mfg. Co., Racine, Wis.

C. FOLDING GATES.
J. B. & J. M. Cornell, 141 Centre St., New York.
Harrisburg Car Mfg. Co., Harrisburg, Pa.

D. IRON GATES.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
J. W. Fiske, 26 Park Place, New York.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
Healey Iron Works, 138 Driggs St., Brooklyn, N. Y.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Indianapolis Fence Co., Indianapolis, Ind.
Jackson Arch. Iron Works, 315 E. 28th St., New York.

E. WIRE GATES.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
De Witt Wire Cloth Co., 32 Reade St., New York.
J. W. Fiske, 28 Park Place, New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Kansas City Wire & Iron Works, Kansas City, Mo.
Sedgwick Bros., Richmond, Ind.

F. WROUGHT IRON GATES.
Cheney & Hewlett, 207 Broadway, New York.
J. W. Fiske, 28 Park Place, New York.
R. F. Hawkins Iron Works, Springfield, Mass.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Fred. J. Meyers Mfg. Co., Covington, Ky.

248. GRATINGS.

A. IRON GRATINGS.
Samuel Booth, 543 W. 35th St., New York.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Carlisle Mfg. Co., Carlisle, Pa.
Champion Iron Co., Kenton, O.
Cheney & Hewlett, 207 Broadway, New York.
J. S. Cochrane, 195 S. 5th Av., New York.
Dickson Mfg. Co., Scranton, Pa.
J. G. & T. Dimond, 209 W. 33d St., New York.
J. W. Fiske, 26 Park Place, New York.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
W. O. Hickok Mfg. Co., Harrisburg, Pa.
Illinois Iron Works, 172 Van Buren St., Chicago, Ill.
Jackson Arch. Iron Work, 315 E. 28th St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
G. M. Stanwood & Co., Portland, Me.
J. H. Van Dorn, Cleveland, O.
Vulcan Iron Works, Wilkesbarre, Pa. *131

B. SIDEWALK GRATINGS.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkesbarre, Pa. *131

249. GRILLES.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
H. L. Judd & Co., 87 Chambers St., New York.
Jos. Neumann Co., N. 11th & Race Sts., Philadelphia, Pa.
Pittsburgh Rustless Iron Works, Pittsburgh, Pa.
Post & Co., 217 W. 4th St., Cincinnati, O.
Chas. W. Tripp & Co., 112 Monroe St., Chicago, Ill.
John Williams, 556 W. 27th St., New York.

A. WOODEN GRILLES.
Chicago Grille Mfg. Co., 164 Dearborn St., Chicago, Ill.
Mohler & Hurlbutt, Baltimore, Md.

250. GUTTER CESSPOOLS.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
E. C. Stearns & Co., Syracuse, N. Y.

251. GUTTERS.

A. GUTTERS, IRON.
S. L. Erwin & Co., Ladonia, Tex.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
Fred. H. Holton & Co., 52 Pearl St., Boston, Mass.
Wheeling Corrugating Co., Wheeling, W. Va. *46

B. GUTTERS, STONE.
F. G. Clarke Bluestone Co., Oxford, N. Y. *37
Cleveland Stone Co., Cleveland, O.
R. F. Conway, 175 La Salle St., Chicago, Ill.

252. HEARTHS.

A. SLATE HEARTHS.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
California Slate Co., San Francisco, Cal.
Hazard Slate Co., Fair Haven, Vt.

B. STONE HEARTHS.
F. G. Clarke Bluestone Co., Oxford, N. Y. *37

C. TILE HEARTHS.
Aiken & Co., Pittsburgh, Pa.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Innes & Co., 119 Main St., Cincinnati, O.

253. ILLUMINATING TILES.

A. FLOOR LIGHTS.
Dale Tile Mfg. Co., Ltd., 398 Broome St., New York.
Dauchy Iron Works, 84 Illinois St., Chicago, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Jacob Mark, 7 Worth St., New York.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.

B. SIDEWALK LIGHTS.
J. E. Bolles & Co., Detroit, Mich.
T. H. Brooks & Co., Cleveland, O.
Champion Iron Co., Kenton, O.
J. B. & J. M. Cornell, 141 Centre St., New York.
Dale Tile Mfg. Co., 398 Broome St., New York.
Dauchy Iron Works, 84 Illinois St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Jacob Mark; 7 Worth St., New York.
McHose & Lyon, Dayton, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Paxton & Vierling Iron Works, Omaha, Neb.
Phœnix Iron Co., Trenton, N. J.

254. IRON BUILDINGS.
Berlin Iron Bridge Co., East Berlin, Conn.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Cheney & Hewlett. 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
Garry Iron & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
R. F. Hawkins Iron Works, Springfield, Mass.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Keystone Bridge Co., Pittsburgh, Pa.
Phœnix Bridge Co., Philadelphia, Pa.
Pittsburgh Bridge Co., Pittsburgh, Pa.
Rider & Conley, Pittsburgh, Pa.
Union Iron Works, 45 Broadway, New York.
Variety Iron Works, York, Pa.
Vulcan Iron Works, Wilkesbarre, Pa. *131

A. IRON TOWERS.
Star Iron Tower Co., Fort Wayne, Ind.
Vulcan Iron Works, Wilkesbarre, Pa. *131

255. JAIL WORK.

A. CELL DOOR GUARDS.
Diebold Safe & Lock Co., Canton, O.
Howard & Morse, 45 Fulton St., New York.
Scherpe & Koken Arch. Iron Co., 32 Laclede Bldg., St. Louis, Mo.
J. H. Van Dorn, Cleveland, O.

B. JAIL BARS.
Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.
Scherpe & Koken Arch. Iron Co., 32 Laclede Bldg., St. Louis, Mo.
J. H. Van Dorn, Cleveland, O.

C. JAIL CELLS.
E. T. Barnum, Detroit, Mich.
Berlin Iron Bridge Co., East Berlin, Conn.
Cincinnati Safe & Lock Co., 41 Elm St., Cincinnati, O.
Diebold Safe & Lock Co., Canton, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Scherpe & Koken Arch. Iron Co., 32 Laclede Bldg., St. Louis, Mo
J. H. Van Dorn, Cleveland, O.

D. JAIL DOORS.
Armstrong Bros., Springfield, O.
J. E. Bolles & Co., Detroit, Mich.
Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
Cincinnati Safe & Lock Co., 41 Elm St., Cincinnati, O.
Dickson Mfg. Co., Scranton, Pa.
Diebold Safe & Lock Co., Canton, O.
Scherpe & Koken Arch. Iron Co., 32 Laclede Bldg., St. Louis, Mo.
J. H. Van Dorn, Cleveland, O.

E. JAIL LOCKS.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Diebold Safe & Lock Co., Canton, O.
Keystone Lock Works, Lancaster, Pa.
Romer & Co., Newark N. J.
Victor Safe & Lock Co., Broadway & 9th St., Cincinnati, O.
Yale & Towne Mfg. Co., Stamford, Conn.

F. STATION HOUSE CAGES.
Scherpe & Koken Arch. Iron Co., 32 Laclede Bldg., St. Louis, Mo.
J. H. Van Dorn, Cleveland, O.

256. LATH.
Atlanta Lumber Co., Atlanta, Ga.

J. B. Bassett & Co., Minneapolis, Minn.
Beaumont Lumber Co., Beaumont, Tex.
A. A. Bigelow & Co., Washburn, Wis.
H. F. Brown, Minneapolis, Minn.
Burlington Lumber Co., Burlington, Iowa.
Clough Bros., Minneapolis, Minn.
Jos. Dessert & Co., Mosinee, Wis.
Gould Mfg. Co., Oshkosh, Wis.
Gress Lumber Co., Atlanta, Ga.
Kansas City & Southern Lumber Co., Kansas City, Mo.
J. S. Keator Lumber Co., Moline, Ill.
Knapp, Stout & Co., Menomonie, Wis.
Laird-Norton Co., Winona, Minn.
Loomis & Hart Mfg. Co., Chattanooga, Tenn.
Lutcher & Moore, Orange, Tex.
Merrill Lumber Co., Merrill, Wis.
Munroe Mfg. Co., Muskegon, Mich.
Murphy Lumber Co., Green Bay, Wis.
C. N. Nelson Lumber Co., St. Paul, Minn.
North Wisconsin Lumber Co., Hayward, Wis.
Palmer, Fuller & Co., W. 22d & S. Union Sts., Chicago, Ill.
Philbert & Johanning Mfg. Co., 1502 Market St., St. Louis, Mo.
Radford Bros. & Co., Oshkosh, Wis.
Reed & Sherwood, Anoka, Minn.
Rice Lake Lumber Co., Rice Lake, Wis.
Rock Island Lumber & Mfg. Co., Rock Island, Ill.
C. H. Ruddock Lumber Co., Minneapolis, Minn.
Sawyer-Goodman Co., 107 Dearborn St., Chicago, Ill.
Schnette & Co., Pittsburgh, Pa.
Schulenburg & Boeckeler, St. Louis Av. & Hall St., St. Louis, Mo.
Texas Tram & Lumber Co., Beaumont, Tex.
Underwood Lumber Co., Rhinelander, Wis.
Watkins & Fuller Lumber Co., 22d & Throop Sts., Chicago, Ill.
John Week Lumber Co., Stevens Point, Wis.
White River Lumber Co., Mason, Wis.
T. Wilce & Co., W. 22d & Throop Sts., Chicago, Ill.
Winona Lumber Co., Winona, Minn.
Wright & Boyle, Oswego, N. Y.

A. LATH, VENETIAN BLIND.

Queen Anne Screen Co., Burlington, Vt.
Venetian Blind Co., Burlington, Vt.

B. SHEET METAL LATH.

Cincinnati Corrugating Co., Piqua, O.
Wheeling Corrugating Co., Wheeling, W. Va. *46

C. WIRE LATH.

Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
Howard & Morse, 45 Fulton St., New York.
John A. Roebling's Sons, Trenton, N. J.

257. LIGHT HOUSES.

Robert Deeley & Co., 136 Liberty St., New York.
Phœnix Iron Co., Trenton, N. J.

258. LIGHTNING RODS.

John M. Brabson, Greeneville, Tenn.
Cole Bros., 412 S. 7th St., St. Louis, Mo.
Cole Bros. & Johnson, Sherman, Tex.
Howard & Morse, 45 Fulton St., New York.
Jas. W. Hum & Son, Pittsburgh, Pa.
A. F. Miller, 6616 S. 7th St., St. Louis, Mo.
Reyburn, Hunter & Co., 488 St. John St., Philadelphia, Pa.
J. D West & Co., 40 Cortlandt St., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

259. LIME.

Chewacla Lime Works, Chewacla, Ala.
Chicago Union Lime Works, 159 La Salle St., Chicago, Ill.
H. W. Classen & Co., Baltimore, Md.
Henry Cowell & Co , San Francisco, Cal.
Mayville White Lime Works, Mayville, Wis.
C. A. Moross & Co., Chattanooga, Tenn.
Newark Lime & Cement Co., Newark, N. J.
Prentice & Hackett, Pittsburgh, Pa.
Tomkin's Cove Lime Co., Tomkin's Cove, N. Y.

260. LININGS, BLAST FURNACE AND CUPOLA.

Boston Fire Brick & Clay Retort Mfg. Co., Boston, Mass.
Denver Fire Clay Co., Denver, Col.
McLeod & Henry Co., Troy, N. Y.
Parker-Russell Mining & Mfg. Co., 711 Pine St., St. Louis, Mo.
Welch, Gloninger & Maxwell, Pittsburgh, Pa.

261. LINTELS.

A. IRON LINTELS.

J. E. Bolles & Co., Detroit, Mich.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Champion Iron Co., Kenton, O.

Cheney & Hewlett, 207 Broadway, New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
Emporia Foundry & Mach. Works, Emporia, Kan.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Mansfield Machine Works, Mansfield, O.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.

B. STONE LINTELS.
F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Thos. J. Dunn, 444 E. 68th St., New York.
Greystone Granite & Construction Co., Raleigh, N. C.
Warsaw Blue Stone Co., Warsaw, N. Y.

262. LUMBER.

A. ASH.
Anchor Mills Co., Davisville, W. Va.
Asher Lumber Co., Ford, Ky.
Blackwater Boom & L. Co., Davis, W. Va.
Bowman Lumber Co., St. Albans, W. Va.
L. V. Boyle & Co., Obion, Tenn.
Wm. L. Buck & Co., Bucksville, S. C.
Cummings Bros., Fort Smith, Ark.
Desha Lumber & Planting Co., Arkansas City, Ark.
Dodge Mfg. Co., Mishawaka, Ind.
R. T. Elkin, Round Store, Ky.
Fetch & Hitchcock, Lizemore's, W. Va.
O. D. Foster & Bro., Fredericksburgh, Va.
Gaudy & Nickey Co., Auburn, Ind.
Goldberg & Rich, Nashville, Tenn.
H. Gordon, Huntington, W. Va.
Hixson-Rodbourn L. Co., Rodbourn, Ky.
Keys Creek Lumber Co., Normal, Ky.
C. F. Liebke, St. Louis, Mo.
Little Kanawha L. Co., Parkersburg, W. Va.
J. McClure, Elkhorn, W. Va.
J. S. McFerrin & Co., Memphis, Tenn.
Nashville Lumber Co., Nashville, Tenn.
G. A. Neal & Co., Doniphan, Mo.
J. L. Rumbarger L. Co., Dobbin, W. Va.
S. M. & W. Wall, Reelfoot, Tenn.

B. BASSWOOD.
De Mars & Lumpoldt, Amwa, Wis.
J. N. Kennedy, Calkinsville, Mich.
T. Merrill & Sons, Clarion, Mich.
Paul Nurhoefer, Colby, Wis.
Wisconsin Land & Lumber Co., Hermansville, Mich.

C. BEECH.
Blackwater Boom & Lumber Co., Davis, W. Va.
J. H. Cooper, Crosland, Ky.
De Mars & Lumpoldt, Amwa, Wis.
W. T. Fowler, Hart, W. Va.
Stewart & Noon, St. Mary's, W. Va.

D. BIRCH.
J. S. Bannen, Tawas City, Mich.
De Mars & Lumpoldt, Amwa, Wis.
A. Vang, Galesburg, Wis.
Wenzel Bros., Le Roy, Mich.

E. BUTTERNUT.
Ames & Frost, 302 Wabash Av., Chicago, Ill.
C. F. Liebke, St. Louis, Mo.

F. CAR BUILDERS' LUMBER.
E. D. Albro Co., 711 W. 6th St., Cincinnati, O.
Burton Lumber Co., Baton Rouge, La.
Clarson-Christopher Lumber Co., Elmore, Ark.
Coolidge Fuel & Supply Co., Minneapolis, Minn.
Desha Lumber & Planting Co., 60 Congress St., Boston, Mass.
Eppinger & Russell, 160 Water St., New York.
Mann Bros., Milwaukee, Wis.
Mitchell & Rowland Lumber Co., Toledo, O.

G. CEDAR.
J. T. Castleman, Simmons Bluff, Tenn.
Henry Kedzie, Cheboygan, Mich.
F. S. Landers, Shelbyville, Tenn.
Persley & Wiggins, Wilmington, N. C.
Previtt, Spurr & Co., Nashville, Tenn.
Seatco Mfg. Co., Bucoda, Wash.
W. S. Thompson, Blanchard, Mich.
Wisconsin Land & Lumber Co., Hermansville, Mich.

H. CEDAR, RED.
W. B. Earthman & Co., Murfreesborough, Tenn.
Cypress Lumber Co., Apalachicola, Fla.

I. CHERRY.
Anchor Mills Co., Davisville, W. Va.
Blackwater Boom & L. Co., Davis, W. Va.
Cummings Bros., Fort Smith, Ark.
Dodge Mfg. Co., Mishawaka, Ind.
Peter Peebles, Williams, W. Va.
J. M. Rumbarger L. Co., Dobbins, W. Va.

J. CHESTNUT.	A. M. Blazer, Conway, Ky.
	Geo. W. Boyd, Nashville, Tenn.
	L. A. Funk, Smoketown, Md.
	C. E. Kaufman & Bro., Hawesville, Ky.
	W. D. Riherd, Scottsville, Ky.
K. CIGAR BOX LUMBER.	Geise Lumber Co., Ceredo, W. Va.
	I. W. Livezey & Co., Newport, Ky.
L. COTTONWOOD.	John McDowell, Mound City, Ill.
	J. S. McFerren & Co., Memphis, Tenn.
	Speers & Morrison, Memphis, Tenn.
	S. M. & W. Wall, Reelfoot, Tenn.
M. CREOSOTED LUMBER.	Wyckoff Pipe Co., Williamsport, Pa.
N. CYPRESS.	E. S. Adkins, Powellville, Ind.
	Atlanta Lumber Co., Atlanta, Ga.
	Askins & Dircks Lumber Co., Rialto, Tenn.
	T. W. Ballew, Bradford, Ark.
	Joel Bradshaw, Franklin, Va.
	Wm. L. Buck & Co., Bucksville, S. C.
	Burtow Lumber Co., Baton Rouge, La.
	H. Clark, Jacksonville, Fla.
	Cook Shingle Co., Black Rock, Ark.
	Wm. Farrell & Co., Little Rock, Ark.
	W. A. Ferrenburg, La Forge, Mo.
	D. O. Goulet & Co., Black Rock, Ark.
	E. B. Hunting & Co., Jacksonville, Fla.
	Santee River Cypress Lumber Co., Eutawville, S. C.
	Saunders Bros., Alexanderville, Ga.
	E. M. Short, Washington, N. C.
	Smith & Angelo, Colona, Ark.
	C. E. Tufts, Mount Dora, Fla.
	Vanderbilt & Hopkins, 120 Liberty St., New York.
	S. M. & W. Wall, Reelfoot, Tenn.
O. ELM.	East Jordan Lumber Co., E. Jordan, Mich.
	T. Merrill & Sons, Clarion, Mich.
	Richards Bros., Clear Water, Mich.
P. GUM.	Geo. W. Eaves & Son, McNary, Ky.
	L. H. Helfer, Brax, Ky.
	A. T. Johnson, Nebo, Ky.
	P. S. Lamb, Greenville, Ky.
	Potter & Condict, Hartford, Ky.
	Sowell & King, Paducah, Ky.
	J. M. Virkwood, Dawson, Ky.
Q. HEMLOCK.	Blackwater Boom & L. Co., Davis, W. Va.
	East Jordan Lumber Co., E. Jordan, Mich.
	R. T. Elkin, Round Stone, Ky.
	Edmund Hall, Bay City, Mich.
	Peter Peebles, Williams, W. Va.
	Richardi & Bechtold, Bellaire, Mich.
	J. L. Rumbarger L. Co., Dobbins, W. Va.
	Geo. W. Wilson, Wilsons Mills, W. Va.
	Wisconsin Land & Lumber Co., Hermansville, Mich.
R. HICKORY.	Askins & Dircks Lumber Co., Rialto, Tenn.
	F. M. Bachman, Indianapolis, Ind.
	S. T. Berry Lumber Co., Limestone, Ky.
	L. V. Boyle & Co., Obion, Tenn.
	Desha Lumber & Planing Co., Arkansas City, Ark.
	R. T. Elkin, Round Stone, Ky.
	O. D. Foster & Bro., Fredericksburgh, Va.
	Gaudy & Nickey Co., Auburn, Ind.
	M. Gapple & Son, Ward, Ark.
	Garetson & Greason, Poplar Bluffs, Mo.
	Giddings & Bond, Green Springs, O.
	Hixson & Rodbourn Lumber Co., Rodbourn, Ky.
	Keys Creek Lumber Co., Normal, Ky.
	Newton Spoke & Lumber Co., Newton, N. C.
	W. P. Rathbone, Parkersburg, W. Va.
S. MAPLE.	East Jordan Lumber Co., E. Jordan, Mich.
	P. C. Munro & Co., Cheboygan, Mich.
	Richardi & Bechtold, Bellaire, Mich.
	Rickers Bros., Clear Water, Mich.
T. OAK.	E. S. Adkins, Powellville, Md.
	Anchor Mills Co., Davisville, W. Va.
	Askins & Dircks Lumber Co., Rialto, Tenn.
	Ball & Culbertson, Augusta, Wis.
	Beaufort County Lumber Co., Yeatesville, N. C.
	Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.

Bowman Lumber Co., St. Albans, W. Va.
L. V. Boyle & Co., Obion, Tenn.
Carey & Osman, Grayville, Ill.
Clarkson & Clarkson, Leeper, Mo.
Jos. Clore & Son, Henderson, Ky.
G. W. Curtin & Co., Braxton, W. Va.
Desha Lumber & Planting Co., Arkansas City, Ark.
R. T. Elkin, Round Stone, Ky.
Fetch & Hitchcock, Lizemoies, W. Va.
Field Lumber Co., Dry Run, Ar k.
O. D. Foster & Bro., Fredericksburgh, Va.
Gaudy & Nickey Co., Auburn, Ind.
Garetson & Greason, Poplar Bluffs, Mo.
Goldberg & Rich, Nashville, Tenn.
H. Gordon, Huntington, W. Va.
Geo. M. Griffin & Co., Mountain View, Mo.
Hixson & Rodbourn Lumber Co., Rodbourn, Ky.
J. R. Hoffman, Charleston, W. Va.
Jones Lumber Co., Williamsburg, Ky.
Kansas City & Southern Lumber Co., Kansas City, Mo.
C. E. Kaufman & Bro., Hawesville, Ky.
Keys Creek Lumber Co., Normal, Ky.
C. F. Liebke, St. Louis, Mo.
Little Kanawha Lumber Co., Parkersburg, W. Va.
Missouri Lumber & Mfg. Co., Grandin, Mo.
Nashville Lumber Co., Nashville, Tenn.
G. A. Neal & Co., Doniphau, Mo.
C. B. Paul, Louisville, Ky.
J. L. Rumbarger Lumber Co., Dobbins, W. Va.
South Missouri Lumber Co., Burnham, Mo.
Theo. Steelman, Higginsport, O.
Vanderbilt & Hopkins, 120 Liberty St., New York.
Ward Lumber Co., Whiting, Mo.
L. S. Wolf & Co., Elk Fork, W. Va.
Zeitonia Lumber Co., Zeitonia, Mo.

U. PINE, WHITE.

Askins & Dircks Lumber Co., Rialto, Tenn.
Badger Lumber Co., Kansas City, Mo.
Ball & Culbertson, Augusta, Wis.
C. L. Bartlett, Hamilton, Ill.
Oliver Bemen, Le Veta, Col.
Canton Saw Mill Co., Canton, Mo.
Chicago Lumber Co., Coal Grove, O.
Cleveland Saw Mill & Lumber Co., Cleveland, O.
Dimock, Gould & Co., Moline, Ill.
Eddy Bros. & Co., Bay City, Mich.
Edmund Hall, Bay City, Mich.
Hannibal Saw Mill Co., Hannibal, Mo.
G. B. Hodgman Mfg. Co., Sandusky, O.
Knapp, Stout & Co., St. Louis, Mo.
Langford & Hall Lumber Co., Fulton, Ill.
Wm. B. Mershon & Co., E. Saginaw, Mich.
G. A. Neal & Co., Doniphau, Mo.
Quincy Saw Mill, Quincy, Ill.
Rand Lumber Co., Burlington, Iowa.
Rock Island Lumber & Mfg. Co., Rock Island, Ill.
Schulenburg & Boeckeler L. Co., St. Lo. Av. & Hall St., St. Louis, Mo.
Vanderbilt & Hopkins, 120 Liberty St., New York.
J. H. Watts, Oneida, Tenn.

V. PINE, YELLOW.

E. S. Adkins, Powellville, Md.
D. W. Alderman & Co., Alcolu, S. C.
Amoskeag Lumber Co., Amoskeag, Ga.
Anderson Lumber Co., Charleston, S. C
Asher Lumber Co., Ford, Ky.
Atlanta Lumber Co., Atlanta, Ga.
Atlantic Saw Mill Co., Norfolk, Va.
Badger Lumber Co., Kansas City, Mo.
Beaumont Lumber Co., Beaumont, Tex.
Bradley-Ramsey Lumber Co., Lake Charles, La.
Wm. L. Buck & Co., Bucksville, S. C.
Camden Lumber Co., Camden, Ark.
Camp Mfg. Co., Winton, N. C.
Jas. A. Carney, Carney, Ala.
Clark, Boice & Collamer, Jefferson, Tex.
Clarkson-Christopher Lumber Co., Elmore, Ark.
Clarkson & Clarkson, Leeper, Mo.
Jos. Clore & Son, Henderson, Ky.

Cordz-Fisher Lumber Co., Birch Tree, Mo.
Cotton Belt Lumber Co., Bearden, Ark.
E. P. Cowen Lumber Co., Kansas City, Mo.
Dale, Dixon & Co., Savannah, Ga.
Desha Lumber & Planting Co., Arkansas City, Ark.
East Texas Lumber Mills, Texarkana, Ark.
R. T. Elkin, Round Stone, Ky.
Field Lumber Co., Dry Run, Ark.
O. D. Foster & Bro., Fredericksburgh, Va.
A. Gilmer, Orange, Tex.
Gress Lumber Co., Atlanta, Ga.
Geo. M. Griffin & Co., Mountain View, Mo.
E. L. Halsey, Charleston, S. C.
Hershey Yellow-Pine Lumber Co., Sargent, Mo.
Hughes Lumber Co., Chattanooga, Tenn.
Lutcher & Moore Lumber Co., Orange, Tex.
Missouri Lumber & Mfg. Co., Grandin, Mo.
Nona Mills Co., Nona, Tex.
Nulner Lumber Co., McDavid, Fla.
Ozark Lumber Co., Winona, Mo.
Reliance Lumber Co., Beaumont, Tex.
Richardson, Smith, Moore & Co., Snow Hill, Md.
Schulenburg & Boeckler L. Co., St. Lo. Av. & Hall St., St. Louis, Mo.
South Missouri Land Co., Willow Springs, Mo.
South Missouri Lumber Co., Burnham, Mo.
South Platte Land & Lumber Co., Denver, Col.
Star Planing Mills, Texarkana, Ark.
Texas Tram & Lumber Co., Beaumont, Tex.
Jesse Thompson & Co., Augusta, Ga.
Thompson & Tucker Lumber Co., Willard, Tex.
Trinity County Lumber Co., Groveton, Tex.
C. E. Tufts, Mount Dora, Fla.
W. W. Tunis & Bro. Lumber Co., Tunis Mills, Md.
Geo. G. Tyler, Baltimore, Md.
Washington Lumber Co., Washington, N. C.
Wayne Lumber Co., Clearwater, Mo.
J. J. White, McComb City, Miss.
Willey Boom & Lumber Co., Bluff City, Tenn.
L. S Wolf & Co., Elk Fork, W. Va.
Young, Colburn & Co., Pocomoke City, Md.

W. POPLAR.

Anchor Mills Co., Davisville, W. Va.
S. T. Berry Lumber Co., Limestone, Ky.
Chas. G. Blatcher, 25 N. Juniper St., Philadelphia, Pa.
L. V. Boyle & Co., Obion, Tenn.
Jos. Clore & Son, Henderson, Ky.
D. C. Culbertson & Bro., Covington, Ky.
G. W. Curtin & Co., Braxton, W. Va.
Dodge Mfg. Co., Mishawaka, Ind.
R. T. Elkin, Round Stone, Ky.
Goldberg & Rich, Nashville, Tenn.
H. Gordon, Huntington, W. Va.
Hughes Lumber Co., Chattanooga, Tenn.
J. R. Hoffman, Charleston, W. Va.
Jones Lumber Co., Williamsburg, Ky.
C. E. Kaufman & Bro., Hawesville, Ky.
Kentucky Union Lumber Co., Clay City, Ky.
Little Kanawha Lumber Co., Parkersburg, W. Va.
John McDowell, Mound City, Ill.
J. S. McFerrin & Co., Memphis, Tenn.
Nashville Lumber Co., Nashville, Tenn.
C. B. Paul, Louisville, Ky.
Theo. Steelman, Higginsport, O.
Willey Boom & Lumber Co., Bluff City, Tenn.
L. S. Wolf & Co., Elk Fork, W. Va.

X. QUARTER SAWED LUMBER.

Wineman Bros., Tipton, Tenn.

Y. REDWOOD.

W. J. Adams, San Francisco, Cal.
Antioch Lumber Co., Antioch, Cal.
Bear Harbor Lumber Co., Bear Harbor, Cal.
Bealomond Land & Lumber Co , Bealomond, Cal.
Calaveras Big Tree Co., Big Trees, Cal.
California Lumber Co., San Francisco, Cal.
City Planing Mill Co., Berkeley, Cal.
Cottoneva Lumber Co., San Francisco, Cal.
Fort Bragg Redwood Co., Fort Bragg, Cal.
Ganahl Lumber Co., Los Angeles, Cal.
J. M. Griffith & Co., Los Angeles, Cal.

Hobbs, Wall & Co., Crescent City, Cal.
McKay & Co., Eureka, Cal.
Mendocino Lumber Co., San Francisco, Cal.
Milford Land & Lumber Co., Beatrice P. O., Cal.
Isaac Minor, Larcata, Cal.
Navarro Mill Co., San Francisco, Cal.
North Coast Lumber Co., Santa Clara, Cal.
Pioneer Lumber & Mill Co., Colton, Cal.
Pudding Creek Lumber Co., Fort Bragg, Cal.
Riverside Lumber Co., Larcata, Cal.
Sanhedrin Mill & Lumber Co., Fruto, Cal.
San Jvaquin Lumber Co., Delano, Cal.
R. Woodburn, Bijou, Cal.

Z. SPRUCE.
Oliver Bemen, La Veta, Col.
Black Water Boom & L. Co., Davis, W. Va.
Peter Peebles, Williams, W. Va.
J. L. Rumbarger L. Co., Dobbins, W. Va.
South Platte Land & Lumber Co., Denver, Col.
Geo. W. Wilson, Wilson's Mills, W. Va.

AA. SYCAMORE.
Ball & Smith, Deshler, O.
James Bell, Ullin, Ill.
Carey & Oseman, Grayville, Ill.
Glass & Butler L. Co., Ripley, Tenn.

BB. TAMARACK.
Ball & Culbertson, Augusta, Wis.

CC. WALNUT.
Asher Lumber Co., Ford, Ky.
Bell & Smith, Deshler, O.
Chas. G. Blatcher, 25 N. Juniper St., Philadelphia, Pa.
Bowman Lumber Co., St. Albans, W. Va.
Cummings Bros., Fort Smith, Ark.
Dodge Mfg. Co., Mishawaka, Ind.
Garetson & Greason, Popiar Bluffs, Mo.
Goldberg & Rich, Nashville, Tenn.
H. Gordon, Huntington, W. Va.
J. R. Hoffan, Charleston, W. Va.
Jones Lumber Co., Williamsburg, Ky.
Langford & Hall L. Co., Fulton, Ill.
C. F. Liebke, St. Louis, Mo.
Little Kanawha Lumber Co., Parkersburg, W. Va.
J. S. McFerrin & Co., Memphis, Tenn.
C. B. Paul, Louisville, Ky.

263. MANTELS:

A. BAMBOO MANTELS.
Syracuse Bamboo Furn. Co., Syracuse, N. Y.

B. IRON MANTELS.
J. S. Conover & Co., 30 W. 23d St., New York.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Lithgow Mfg. Co., Louisville, Ky. *56
Magee Furnace Co., 30 Union St., Boston, Mass.
W. W. Magill & Sons, Front & Harriet Sts., Cineinnati, O.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
H. Wetter Mfg. Co., Memphis, Tenn.

C. MARBLE MANTELS.
Burlington Mfg. Co., Burlington, Vt.
J. S. Conover & Co., 30 W. 23d St., New York.
Davidson & Son, ft. N. Market St., Chicago, Ill.
Farnham Marble & Mantel Co., Minneapolis, Minn.
Robert C. Fisher, 97 E. Houston St., New York.

D. MARBLEIZED SLATE MANTELS.
C. W. Billings, Troy, N. Y.
Farnham Marble & Mantel Co., Minneapolis, Minn.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.

E. SLATE MANTELS.
Aiken & Co., Pittsburgh, Pa.
C. W. Billings, Troy, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Columbia Slate Co., 202 B'way, New York.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Farnham Marble & Mantel Co., Minneapolis, Minn.
Matthew Hall, 1927 Market St., Philadelphia, Pa.
W. W. Magill & Sons. Front & Harriet Sts., Cincinnati, O.
Penrhyn Slate Co., 101 E. 17th St., New York.

F. SLATE MANTEL STOCK.
California Slate Co., 9 Mission St., San Francisco, Cal.
E. L. Goodrich & Co., Fair Haven, Vt.
Hazard Slate Co., Fair Haven, Vt.

G. TERRA COTTA MANTELS.
Boston Terra Cotta Co., 394 Federal St., Boston, Mass.
N. Y. Architectural Terra Cotta Co., 38 Park Row, New York.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Trenton Terra Cotta Co., Trenton, N. J.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal.

H. MANTEL TOPS.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.

Owen Cumisky, 145 11th Av., New York.
C. Ehman, Fulton cor. Elizabeth St., Chicago, Ill.
Sprague, Smith & Co., 207 Randolph St., Chicago, Ill.

I. WOOD MANTELS.

A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
J. S. Conover & Co., 30 W. 23d St., New York.
C. Ehman. Fulton cor. Elizabeth St., Chicago, Ill.
Farnham Marble & Mantel Co., Minneapolis, Minn.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
Irving & Casson, 150 Boylston St., Boston, Mass.
Kramer & Redman, Allegheny, Pa.
Linton Mfg. Co., Saginaw, E. S., Mich
Lee, Holland & Co., Buffalo, N. Y.
Mershon, Brown & Co., Saginaw, Mich.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Murphy & Diebold, Pittsburgh, Pa.
N. Y. Lumber & Wood Working Co., 173 Broadway, New York.
Ohio Furniture Co., Columbus, O.
Alonzo Roberson, Binghamton, N. Y. *253
Rockford Cabinet Co., Rockford, Ill.
J. Gibb Smith & Co., New Haven, Conn.
Sprague, Smith & Co., 207 Randolph St., Chicago, Ill.
St. Paul Mantel & Desk Co., St. Paul, Minn.
Sterling Furniture Co., San Francisco, Cal.

264. MOULDINGS.

Adley Mfg. Co., 196 N. Union St., Chicago, Ill.
Bardwell, Robinson & Co., Minneapolis, Minn.
C. O. Baxter & Co., 501 S. 3d St., St. Louis, Mo.
John Benoit, W. Troy, N. Y.
Chas. G. Blatchley, 25 Juniper St., Philadelphia, Pa.
Bohn Mfg. Co., St. Paul, Minn.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Carr, Ryder & English Co., Dubuque, Iowa.
V. W. Coddington & Co., Kansas City, Mo.
Conlee Lumber Co., Oshkosh, Wis.
Cross, Austin & Co., 558 Kent Av., Brooklyn, N. Y.
Owen Cumisky, 145 11th Av., New York.
Cunningham & Young, Troy, N. Y.
Derby Building & Lumber Co., Derby, Conn.
W. S. Dunn & Co., 46 Murray St., New York.
Empire Moulding Works, Rochester, N. Y.
Wm. Gramm's Sons, 1 Marion St., New York.
A. J. Griffin, Cohoes, N. Y.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
C. J. Hamilton, Buffalo, N. Y.
Hargreaves Mfg. Co., Detroit, Mich.
Husche & Jurs, 111 W. Superior St., Chicago, Ill.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
C. B. Keogh & Co., 8 Howard St., New York.
Lee, Holland & Co., Buffalo, N. Y.
Linton Mfg. Co., E. Saginaw, Mich.
Wm. B. Mershon & Co., Saginaw, E. S., Mich.
Murphy & Diebold, Pittsburgh, Pa.
Nudd & Holmes, Minneapolis, Minn.
Pape Bros. Moulding Co., 155 W. 4th St., Cincinnati, O.
Alonzo Roberson, Binghamton, N. Y. *253
Schaber, Reinthal & Co., Cleveland, O.
Schneider & Fuchs, 311 St. Paul St., Baltimore, Md.
South Pittsburgh Planing Mill Co., Pittsburgh, Pa.
Toledo Moulding Co., Toledo, O.
Truesdale Mfg. Co., Peoria, Ill.
Wm. Willer, Milwaukee, Wis.
Williams & Marvin, Deep River, Conn.
Wright & Boyle, Oswego, N. Y.

A. METAL MOULDINGS.

Bridgeport Brass Co., Bridgeport, Conn. *27
C. Cowles & Co., New Haven, Conn.
Norwich Nickel & Brass Works, Norwich, Conn. *6

265. NEWEL POSTS.

Chas. G. Blatchley. 25 Juniper St., Philadelphia, Pa.
John Benoit, West Troy, N. Y.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Huttig Sash Door Co., Dock & Main Sts., St. Louis, Mo.
C. B. Keogh & Co., 8 Howard St., New York.
Murphy & Diebold, Pittsburgh, Pa.
N. E. Artistic Carving Co., 621 Albany St., Boston, Mass.
Novelty Wood Works, Union City, Pa.
Alonzo Roberson, Binghamton, N. Y. *253
Wm. Willer, Milwaukee, Wis.

266. ORNAMENTATION, EXTERIOR.

A. BRONZE CROSSES.	J. & R. Lamb, 59 Carmine St., New York.
B. COPPER WORK, ORN.	A. B. & W. T. Westervelt, 102 Chambers St., New York.
C. FINIALS.	Champion Iron Co , Kenton. O.
	J. C. Ewart & Co., Akron, O.
	J. W. Fiske, 28 Park Place, New York.
	J. & R. Lamb, 59 Carmine St., New York.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Minneapolis Wire Works Co , Minneapolis, Minn.
	W. H. Mullins, Salem, O.
	St. Paul Roofing & Cornice Works, St. Paul, Minn.
	J. H. Van Dorn, Cleveland, O.
	E Van Noorden & Co., 383 Harrison Av., Boston, Mass.
	Walton Arch. Iron Co., Cincinnati, O.
D. IRON CROSSES.	Abendroth & Root Mfg. Co., 28 Cliff St., New York.
	J. W. Fiske, 28 Park Place, New York.
	J. & R. Lamb, 59 Carmine St., New York.
	A. B. & W. T. Westervelt, 102 Chambers St., New York.
E. IRON ROOF CRESTINGS.	Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
	J. E. Bolles & Co., Detroit, Mich.
	Bristol Foundry & Machine Works, Bristol, Tenn.
	Champion Iron Co., Kenton, O.
	Cheney & Hewlett, 207 Broadway, New York.
	J. G. & T. Dimond, 209 W. 33d St., New York.
	Emporia Foundry & Machine Works, Emporia, Kan.
	J. W. Fiske, 28 Park Place, New York.
	Howard & Morse, 45 Fulton St., New York.
	Jackson Arch. Iron Works, 315 E. 28th St., New York.
	Kansas City Wire & Iron Works, Kansas City, Mo.
	Kimble Engine Co., Kalamazoo, Mich.
	Mast, Foos & Co., Springfield, O.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Minneapolis Wire Works Co., Minneapolis, Minn.
	W. H. Mullins, Salem, O.
	National Sheet Metal Roofing Co., 516 E. 20th St., New York.
	Variety Iron Works, York, Pa.
	Walton Architectural Iron Co., Cincinnati, O.
	A. B. & W. T. Westervelt, 102 Chambers St., New York.
F. ORNAMENTAL IRON WORK.	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	Braumoeller & Mueller, 90 W. Van Buren St., Chicago, Ill.
	Cheney & Hewlett, 207 Broadway, New York.
	J. W. Fiske, 28 Park Place, New York.
	J. & R. Lamb, 59 Carmine St., New York.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Springfield Iron Works, Springfield, Mass.
	A. B. & W. T. Westervelt, 102 Chambers St., New York.
G. STONE TRIMMINGS.	F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
	Hazard Slate Co., Fair Haven, Vt.
	Maine Red Granite Co , Red Beach, Me.
H. ORNAMENTAL ZINC WORK.	Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
	Warren Bros., 47 W. Lake St., Chicago, Ill.
	A. B. & W. T. Westervelt, 102 Chambers St., New York.

267. ORNAMENTATION, INTERIOR.

A. CEILING DECORATIONS.	Allegheny Geom. Wood Carving Co., Allegheny City, Pa. *47
	A. Komp, 56 Lewis St., New York.
	Janeway & Carpenter, New Brunswick, N. J.
	J. & R. Lamb, 59 Carmine St., New York.
	McCully & Miles, 14 Monroe St., Chicago, Ill.
B. GALVANIZED PLASTIC WORK.	Armington Art Metal Co., E. Providence, R. I.
C. MARQUETRIES.	Albert H. Davenport, 96 Washington St., Boston, Mass.
	Wood Mosaic Co., Rochester, N. Y.
D. ORNAMENTAL PLASTER WORK.	H. Berger Sons, 101 4th Av., New York.
	Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
	Sam'l H. French & Co., 4th St. & York Av., Philadelphia, Pa.
	H. & J. Morrison, 235 E. 42d St., New York.
	W. H. Mullins, Salem, O.
	Nichols & Co., 204 Washington Boulevard, Chicago, Ill.
E. ORNAMENTAL WOOD WORK.	Allegheny Geom. Wood Carving Co., Allegheny City, Pa. *47
	Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
	Cross, Austin & Co., 558 Kent Av., Brooklyn, N. Y.
	Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
	Geo W. Light Mfg. Co., 712 W. Van Buren St., Chicago, Ill.
	J. & R. Lamb, 59 Carmine St., New York.
	N. E. Artistic Carving Co., 621 Albany St., Boston, Mass.
	Waddell Mfg. Co., Grand Rapids, Mich.

Wm. Willer, Milwaukee, Wis.

F. PARQUET WALLS.
Boughton & Terwilliger, 23d St. & 5th Av., New York.

G. PLASTER & COMPOSITION CASTS.
Henry Berger Sons, 101 4th Av., New York.
J. & J. Morrison, 235 E. 42d St., New York.
H. Sinclair's Sons, 327 7th Av., New York.

H. WOOD CARVINGS.
Allegheny Geom. Wood Carving Co., Allegheny City, Pa. *47
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Herter Bros., 485 1st Av., New York.
D. S. Hess & Co., 318 E. 75th St.. New York.
Herts Bros., 104 E. 32d St., New York.
A. Kimball & Sons, 458 10th Av., New York.
J. & R. Lamb, 59 Carmine St., New York.
Andrew Lees, 28 Sudbury St., Boston, Mass.
N. E. Artistic Carving Co., 621 Albany St., Boston, Mass.
Pottier, Stymus & Co., 375 Lexington Av., New York.
Geo. A. Schastey & Co., 449 W. 53d St., New York.

268. PANELS.
Decorators' Supply Co., 49 E. Van Buren St., Chicago, Ill.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Alonzo Roberson, Binghamton, N. Y. *253

269. PAPER, BUILDING.
American Straw Board Co., 152 Michigan Av., Chicago, Ill.
F. W. Bird & Son, E. Walpole, Mass. *46
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
C. S. Garrett & Son, 20 Decatur St., Philadelphia, Pa.
H. H. Hopkins, 50 Dearborn St., Chicago, Ill.
Lockport Paper Co., Lockport, N. Y.
Mica Roofing Co., 73 Maiden Lane, New York.
Nelson Paper Co., Minneapolis, Minn.
Newton Paper Co., Holyoke, Mass.
Standard Paint Co., 2 Liberty St., New York.
Warren-Ehret Co., 432 Market St., Philadelphia, Pa.
H. F. Watson Co., Erie, Pa.

270. PAVEMENTS.

A. ARTIFICIAL STONE PAVEMENTS.
Wm. Krause & Son, 1621 N. 5th St., Philadelphia, Pa.

B. ASPHALT PAVEMENTS.
Barber Asphalt Paving Co., 1 Broadway, New York.
Philip Carey Mfg. Co., 119 Gilbert Av., Cincinnati, O.
Forest City Chemical Co., Cleveland, O.
Warren-Scharf Asphalt Paving Co., 81 Fulton St., New York.

C. ASPHALT PAVING BLOCKS.
Hastings Pavement Co., 142 Pearl St., New York.
Warren Chemical & Mfg. Co., 81 Fulton St., New York.
Warren-Scharf Asphalt Paving Co., 81 Fulton St., New York.

D. CONCRETE PAVEMENTS.
Maryland Pavement Co., Baltimore, Md.
N. W. Cement & Concrete Pavement Co., Minneapolis, Minn.

E. CROSS WALKS, STONE.
F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Cleveland Stone Co., Cleveland, O.
R. F. Conway, 175 La Salle St., Chicago, Ill.

F. CURBING, STONE.
F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Cleveland Stone Co., Cleveland, O.
R. F. Conway, 175 La Salle St., Chicago, Ill.
Greystone, Granite & Construction Co., Raleigh, N. C.

G. FLAGGING, STONE.
F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Cleveland Stone Co., Cleveland, O.
R. F. Conway, 175 La Salle St., Chicago, Ill.
Augustus Meyers, 542 W. 21st St., New York.

H. PAVING BLOCKS.
Greystone, Granite & Construction Co., Raleigh, N. C.
Haydenville Mining & Mfg. Co., Haydenville, O.
N. Y. & Me. Granite Pav. Blk. Co., 5 Beekman St., New York.
Pioneer Fireproof Construction Co., Ottawa, Ill.

271. PICKETS.
Beaumont Lumber Co., Beaumont, Tex.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Burlington Lumber Co., Burlington, Iowa.
Conlee Lumber Co., Oshkosh, Wis.
Joseph Dessert & Co., Mosinee, Wis.
Excelsior Redwood Co., 4 California St., San Francisco, Cal.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Knapp, Stout & Co., Menomonie, Wis.
C. Lamb & Sons, Clinton, Iowa.
Lee, Holland & Co., Buffalo, N. Y.
Linton Mfg. Co., Saginaw, E. S., Mich.
Lutcher & Moore, Orange, Tex.
Alonzo Roberson, Binghamton, N. Y. *253
Winona Lumber Co., Winona, Minn.

272. PIERS, IRON & STEEL.
R. F. Hawkins Iron Works, Springfield, Mass.
Pennsylvania Bridge Co., Beaver Falls, Pa.
Phœnix Bridge Co.. 410 Walnut St., Philadelphia, Pa.
Union Bridge Co., Buffalo, N. Y.

273. PLANTS, COMPLETE.

A. BESSEMER STEEL PLANTS. Robinson-Rea Mfg. Co., Pittsburgh, Pa.
Southwark F. & M. Co., Wash. Av. & S. 5th St., Phila., Pa.

B. COALING PLANTS. Industrial Works, Bay City, Mich.

C. FURNACE EQUIPMENTS. James Moore, N. 16th & Buttonwood Sts., Philadelphia, Pa.

D. GAS WORKS. Bartlett, Hayward & Co., Baltimore, Md.
Phœnix Iron Co., Trenton, N. J.
The United Gas Improvement Co., 813 Drexel Bldg., Phila., Pa.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

E. OIL REFINERIES. Geo. Reeves, Niles, O.

F. ROLLING MILLS. Andrews Bros. Co., Youngstown, O.
Birmingham Iron Foundry, Birmingham, Conn.
Lebanon Mfg. Co., Lebanon, Pa.
Leechburg Foundry & Machine Co., Pittsburgh, Pa.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Jas. Moore, cor. N. 16th & Buttonwood Sts., Philadelphia, Pa.
Reading Iron Co., Reading, Pa.
Robinson-Rea Mfg. Co., Pittsburgh, Pa.
Weiner Machine Works Co., Lebanon, Pa.
Wharton McKnight, Pittsburgh, Pa.

G. STEEL WORKS. Leechburg Foundry & Mch. Co., Pittsburgh, Pa.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Wharton McKnight, Pittsburgh, Pa.

H. TEXTILE MILL PLANTS. C. & G. Cooper & Co., Mt. Vernon, O.

274. PLASTER.

Samuel H. French & Co., York Av. & 4th St., Philadelphia, Pa.
F. Godfrey & Bro., Grand Rapids, Mich.
V. C. & C. V. King, 517 West St., New York.
J. B. King & Co., New Brighton, S. I., N. Y.
S. Obermayer F. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
Mineral Grinding Co., Pittsburgh, Pa.
Newark Lime & Cement Co , Newark, N. J.
Northwestern Adamant Mfg. Co., Minneapolis, Minn.
Tomkins Cove Lime Co., Tomkins Cove, N. Y.

275. PLASTERING HAIR.

Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Illinois Leather Co., 400 N. Halstead St., Chicago, Ill.
E. B. & A. C. Whiting, Burlington, Vt.

276. PLATFORMS, STONE.

F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
E. L. Goodrich, Fair Haven, Vt.
Hazard Slate Co., Fair Haven, Vt.

277. PORTABLE HOUSES.

American Patent Portable House Mfg. Co., Corona, L. I., N. Y.
Grand Rapids Portable House Co., Grand Rapids, Mich.
T. W. Harvey Lumber Co., 827 "The Rookery," Chicago, Ill.
Linton Mfg. Co., Saginaw, E. S., Mich.

A. IRON PORTABLE HOUSES. Iron Cottage Co., Grand Rapids, Mich.

278. POSTS.

A. CEDAR POSTS. H. M. Loud & Sons Lumber Co., Oscoda, Mich.
Prewitt, Spurr & Co., Nashville, Tenn.

B. HITCHING POSTS. Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Battle Creek Machinery Co., Battle Creek, Mich.
Champion Iron Co., Kenton, O.
Covert Mfg. Co., West Troy, N. Y. *17
Dickson Mfg. Co., Scranton, Pa.
J. W. Fiske, 28 Park Place, New York.
Hess, Snyder & Co., Massillon, O.
Mansfield Machine Works, Mansfield, O.
Fred J. Meyers Mfg. Co., Covington, Ky.
J. L. Mott Iron Works, 90 Beekman St., New York.
J. H. Van Dorn, Cleveland, O.

C. IRON FENCE POSTS. Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Champion Iron Co., Kenton, O.
J. W. Fiske, 28 Park Place, New York.
O. K. Harry, Dallas, Tex.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Indianapolis Fence Co., Indianapolis, Ind.
Ewald Over, Indianapolis, Ind.
J. H. Van Dorn, Cleveland, O.

D. LAMP POSTS. Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Champion Iron Co., Kenton, O.
J. B. & J. M. Cornell, 141 Centre St., New York.
Dickson Mfg. Co., Scranton, Pa.
J. W. Fiske, 28 Park Place, New York.
Jas. R. Floyd & Sons, 539 W. 20th St., New York.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.

Jackson Arch. Iron Works, 315 E. 28th St., New York.
Mellert Foundry & Mach. Co., Ltd., Reading, Pa.
J. L. Mott Iron Works, 90 Beekman St., New York.
Pennsylvania Globe Gas Light Co., 47 N. 2d St., Phila., Pa.
Pittsburgh Rustless Iron Works, Pittsburgh, Pa.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Variety Iron Works, York, Pa.
A. B. & W. T. Westervelt, 102 Chambers St., New York.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

279. RAILINGS.

A. IRON RAILINGS.

Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Champion Iron Co., Kenton, O.
J. B. & J. M. Cornell, 141 Centre St., New York.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
J. G. & T. Dimond, 209 W. 33d St., New York.
J. W. Fiske, 28 Park Place, New York.
Fort Worth Iron Works, Fort Worth, Tex.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Illinois Iron Works, 174 Van Buren St., Chicago, Ill.
J. & R. Lamb, 59 Carmine St., New York.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
M. Mahony, Troy, N. Y.
Marshall Bros., Pittsburgh, Pa.
J. L. Mott Iron Works, 90 Beekman St., New York.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.
Variety Iron Works, York, Pa.
Walworth Mfg. Co., 16 Oliver St , Boston, Mass.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

B. RAILINGS, BALCONY.

J. E. Bolles & Co., Detroit, Mich.
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Champion Iron Co., Kenton, O.
Howard & Morse, 45 Fulton St., New York.
Fred J. Meyers Mfg. Co., Covington, Ky.
J. H. Van Dorn, Cleveland, O.

C. STAIR RAILINGS.

Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Braumoeller & Mueller, 92 Van Buren St., Chicago, Ill.
Derby Building & Lumber Co., Derby, Conn.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Lee, Holland & Co., Buffalo, N. Y.
Alonzo Roberson, Binghamton, N. Y. *253
Wm. Willer, Milwaukee, Wis.

280. ROLLING PARTITIONS. Jas. G. Wilson, 74 W. 23d St., New York.

281. ROOFING.

A. ASBESTOS ROOFING.

Asbestos Packing Co., 169 Congress St., Boston, Mass.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
H. F. Watson Co., Erie, Pa.

B. CEMENT ROOFING.

Chilton Mfg. Co., 147 Fulton St., New York.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
Garry I. & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
C. W. Hart, Troy, N. Y.

C. CORRUGATED ROOFING.

Caldwell-Peterson Mfg. Co., Wheeling, W. Va.
Cincinnati Corrugating Co., Piqua, O.
O. K. Harry, Dallas, Tex.
W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
Mo. I. Roofing & Corrugating Co., 1505 S. 2d St., St. Louis, Mo.
Standard Iron Co., Bridgeport, Conn.
Wheeling Corrugating Co., Wheeling, W. Va. *46

D. FELT ROOFING.

Druid Felt Co., Baltimore, Md.
Mica Roofing Co., 73 Maiden Lane, New York.
New England Felt Roofing Co., 22 Milk St., Boston, Mass.
New York Coal Tar Chemical Co., 10 Warren St., New York.
Powerville Felt Roofing Co., Newark, N. J.
H. F. Watson Co., Erie, Pa.

E. IRON ROOFING.

Ætna Iron & Steel Co., Bridgeport, O.
Caldwell & Peterson Mfg. Co., Wheeling, W. Va.
Cincinnati Corrugating Co., Piqua, O.
S. L. Erwin & Co., Ladonia, Tex.
Garry Iron & Steel Roofing Co ,152 Merwin St.,Cleveland, O.*44
R. F. Hawkins Iron Wks., Springfield, Mass.
Holton Iron Roofing Co., New Lisbon, O.
W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
Livermore Foundry & Machine Co., Memphis, Tenn.
Moorhead-McCleane Co., Pittsburgh, Pa.

New Jersey Steel & Iron Co., Trenton, N. J.
Phœnix Iron Co., Trenton, N. J.
Sykes Iron Roofing Co., Niles, O.
Standard Iron Co., Bridgeport, O.
Thompson Mfg. Co., Cleveland, O.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
Wheeling Corrugating Co., Wheeling, W. Va. *46

F. MATERIALS, ROOFING.
Cortright Metal Roofing Co., 441 N. Broad St., Phila., Pa.
Druid Felt Co., Baltimore, Md.
Eastern Granite Roofing Co., Jersey City, N. J.
M. Ehret, Jr., & Co., 423 Walnut St., Philadelphia, Pa.
John Galt & Son, 52 John St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
E. H. Martin & Co., 163 Pearl St., New York.
Mica Roofing Co., 73 Maiden Lane, New York.
T. New Mfg. Co., 32 John St., New York.
James G. Pulling & Co., Columbus, O.
St. Louis Coal Tar Co., Levee & Convent Sts., St. Louis, Mo.
Warren Chemical & Mfg. Co., 81 Fulton St., New York.

G. METALLIC HIP COVERING.
Cortright Metal Roofing Co., 441 Broad St., Phila., Pa.

H. MICA ROOFING.
Mica Roofing Co., 73 Maiden Lane, New York.

I. ROOFING PAPER.
American Straw Board Co., 152 Michigan Av., Chicago, Ill.
F. W. Bird & Son, E. Walpole, Mass. *46
Cleveland Paper Co., Cleveland, O.
M. Ehret Jr., & Co., 423 Walnut St., Philadelphia, Pa.
George H. Friend Paper Co., W. Carrollton, O.
Friend & Fox Paper Co., Lockland, O.
Haldeman Paper Co., Lockland, O.
H. H. Hopkins, 50 Dearborn St., Chicago, Ill.
Mica Roofing Co., 73 Maiden Lane, New York.
T. New Mfg. Co., 32 John St., New York.
James Peters & Co., Latrobe, Pa.
Standard Paint Co., 2 Liberty St., New York.
J. H. Tangeman & Co., Lockland, O.
Warren Chem. & Mfg. Co., 81 Fulton St., New York.
H. F. Watson Co., Erie, Pa.

J. ROOFING PITCH.
P. Carey Mfg. Co., 119 Gilbert Av., Cincinnati, O.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
Mica Roofing Co., 73 Maiden Lane, New York.
New York Coal & Tar Chemical Co., 10 Warren St., New York.
Warren Chem. & Mfg. Co., 81 Fulton St., New York.

K. SHINGLES, METALLIC.
Cincinnati Stamping Co., 386 Walnut St., Cincinnati, O.
Cortright Metal Roofing Co., 441 N. Broad St., Phila., Pa.
Garry Iron & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
Grygla & Selden, Minneapolis, Minn.
W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
National Sheet Metal Roofing Co., 516 E. 20th St., New York.

L. SHINGLES, WOODEN.
Atlanta Lumber Co., Atlanta, Ga.
J. B. Bassett & Co., Minneapolis, Minn.
A. A. Bigelow & Co., Washburn, Wis.
N. B. Bradley & Son, Bay City, Mich.
H. F. Brown, Minneapolis, Minn.
Burton Lumber Co., Baton Rouge, La.
Butters & Peters Salt & Lumber Co., Ludington, Mich.
Cable Lumber Co., Davenport, Iowa.
Canfield Salt & Lumber Co., Manistee, Mich.
Clough Bros., Minneapolis, Minn.
Comstock Bros., Alliena, Mich.
E. P. Cowen Lumber Co., Kansas City, Mo.
Cummer Lumber Co., Cadillac, Mich.
Joseph Dessert & Co., Mosinee, Wis.
Dimock, Gould & Co., Moline, Ill.
Ft. Bragg Redwood Co., Ft. Bragg, Cal.
Gardiner, Baschelder & Wells, Lyons, Iowa.
Gould Mfg. Co., Oshkosh, Wis.
Grand & Caven Lumber Co., Grand Haven, Mich.
Gress Lumber Co., Atlanta, Ga.
Hilton & Dodge Lumber Co., Darien, Ga.
Kansas City & Southern Lumber Co., Kansas City, Mo.
J. S. Keator Lumber Co., Moline, Ill.
Knapp, Stout & Co., Menomonie, Wis.
Laird-Norton Co., Winona, Minn.
C. Lamb & Sons, Clinton, Iowa.
Lindsay & Phelps Co., Davenport, Iowa.
Long Mfg. Co., Beaumont, Tex.
Lookout Lumber Co., Chattanooga, Tenn.

Loomis & Hart Mfg. Co., Chattanooga, Tenn.
H. M. Loud & Sons Lumber Co., Oscoda, Mich.
Lutcher & Moore Lumber Co., Orange, Tex.
Merrill Lumber Co., Merrill, Wis.
Mitchell Bros. & Murphy, Cadillac, Mich.
McMullen & Co., Minneapolis, Minn.
Murphy Lumber Co., Green Bay, Wis.
Musser Lumber Co., Muscatine, Iowa.
Navarro Mill Co., San Francisco, Cal.
Nelson, Tenney & Co., Minneapolis, Minn.
Northwestern Lumber Co., Porters Mills, Wis.
North Wisconsin Lumber Co., Hayward, Wis.
Palmer, Fuller & Co., W. 22d & S. Union Sts., Chicago, Ill.
Philbert & Johanning Mfg. Co., 1502 Market St., St. Louis, Mo.
Radford Bros. & Co., Oshkosh, Wis.
Randolph & Co., Corning, Ark.
Red River Lumber Co., Crookston, Minn.
Reed & Sherman, Anoka, Minn.
Rice Lake Lumber Co., Rice Lake, Wis.
Rock Island Lumber & Mfg. Co., Rock Island, Ill.
John L. Roper Lumber Co., Norfolk, Va.
Ross, Bradley & Co., Bay City, Mich.
C. H. Ruddock Lumber Co., Minneapolis, Minn.
Louis Sands, Manister, Mich.
Sawyer & Goodman Co., 107 Dearborn St., Chicago, Ill.
Schuette & Co., Pittsburgh, Pa.
Schulenburg & Boeckler L. Co., St. Louis, Mo.
Danl. Shaw Lumber Co., Eau Claire, Wis.
Spokane Mills Co., Spokane Falls, Wis.
Standard Lumber Co., Dubuque, Iowa.
Underwood Lumber Co., Rhinelander, Wis.
Vanderbilt & Hopkins, 120 Liberty St., New York.
Watkins & Fuller Lumber Co., 22d & Throop Sts., Chicago, Ill.
John Week Lumber Co., Stevens Point, Wis.
White River Lumber Co., Mason, Wis.
Whittier & Co., E. Saginaw, Mich.
Winona Lumber Co., Winona, Minn.
A. W. Wright Lumber Co., Saginaw, Mich.
Wright & Boyle, Oswego, N. Y.
W. J. Young & Co., Clinton, Iowa.

M. SLATE, ROOFING.
Auld & Conger, Cleveland, O.
California Slate Co., 9 Missouri St., San Francisco, Cal.
Columbia Slate Co., Granville, N. Y.
Griffith & Nathaniel, Poultney, Vt.
Hazard Slate Co., Fair Haven, Vt.
F. H. Holton & Co., 52 Pearl St., Boston, Mass
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
Penrhyn Slate Co., 101 E. 17th St., New York.
Saegersville Slate Quarrying Mfg. Co., Slatington, Pa.

N. STEEL ROOFING.
Cambridge Roofing Co., Cambridge, O.
Caldwell & Peterson Mfg. Co., Wheeling, W. Va.
Cincinnati Corrugating Co., Piqua, O.
Globe Iron Roofing & Corrugating Co., 81 E. Front St., Cin., O.
W. G. Hyndman & Co , 52 E. 2d St., Cincinnati, O.
Mo. Iron Roofing & Corrugating Co., 1505 S. 2d St., St. Louis, Mo.
E. E. Souther & Bro., 932 N. 2d St., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va. *46

O. TARRED ROOFING.
P. Carey Mfg. Co., 119 Gilbert Av., Cincinnati, O.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
Mica Roofing Co., 73 Maiden Lane, New York.
New York Coal Tar Chemical Co., 10 Warren St., New York.
Warren Chem. & Mfg. Co., 81 Fulton St., New York.
H. F. Watson Co., Erie, Pa.

P. TERRA COTTA HIP ROLLS.
J. C. Ewart & Co., Akron, O.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Reading Terra Cotta Works, Reading, Pa.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal

Q. TILE, METALLIC ROOFING.
Cortright Metal Roofing Co., 441 N. Broad St., Phila., Pa.

R. TILE, VITRIFIED ROOFING.
Clay Shingle Co., Indianapolis, Ind.
N. Clark & Sons, San Francisco, Cal.
J. C. Ewart & Co., Akron, O.

282. ROOFS.

A. GLASS ROOFS.
Jos. Plenty, 144 Pearl St., New York.

B. IRON ROOFS.
D. H. Andrews, 70 Kilby St., Boston, Mass.
Bartlett, Hayward & Co., Baltimore, Md.
Berlin Iron Bridge Co., E. Berlin, Conn.

Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
M. L. Carter & Co., 202 Laclede Bldg., St. Louis, Mo.
Chas. H. Conner, Louisville, Ky.
Continental Iron Works, Clayer & West Sts., Brooklyn, N. Y.
J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W 33d St., New York.
Edge Moor Iron Co., Edge Moor, Del.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Keystone Bridge Co., Pittsburgh, Pa.
Passaic Rolling Mills Co., Paterson, N. J.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Trenton Iron Co., Trenton, N. J.
Union Bridge Co., Buffalo, N. Y.
Walter Architectural Iron Co., Cincinnati, O.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
Wrought Iron Bridge Co., Canton, O.

C. IRON TRUSS ROOFS.
J. B. &. J. M. Cornell, 141 Centre St., New York.
R. F. Hawkins' Iron Works, Springfield, Mass.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Phœnix Iron Co., Trenton, N. J.
Reeves Bros., Niles, O.

D. STEEL ROOFS.
Detroit Bridge & Iron Works, Detroit, Mich.
R. F. Hawkins' Iron Works, Springfield, Mass.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Rochester Bridge & Iron Works, Rochester, N. Y.
Union Bridge Co., Buffalo, N. Y.

E. TILE ROOFS.
T. New Mfg. Co., 32 John St., New York.

283. ROOF WATER CONDUCTORS.

Glendon Co., 45 Kilby St., Boston, Mass.
Thompson Mfg. Co., Cleveland, O.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
Wheeling Corrugating Co., Wheeling, W. Va. *46

284. SANITARY SLATE WORK.

Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
E. L. Goodrich & Co., Fair Haven, Vt.
Penrhyn Slate Co., 101 E. 17th St., New York.

285. SASH.

Bardwell, Robinson & Co., Minneapolis, Minn.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Bohn Mfg. Co., St. Paul, Minn.
Boller & Rechtenwalt, Buffalo, N. Y.
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Brinkley Car Works & Mfg. Co., Brinkley, Ark.
W. Brewer, Birmingham, Ala.
Buffalo Door & Sash Co., Columbus Av. & W. 124th St., New York.
Bivins, Venable & Co., Dallas, Tex.
Carr, Ryder & Engler Co., Dubuque, Iowa.
Clough Bros., Minneapolis, Minn.
Corlies, Chapman & Drake, St. Paul, Minn.
Curtis Bros. & Co., Clinton, Iowa.
Cunningham & Young, Troy, N. Y.
M. A. Disbrow & Co., Omaha, Neb.
Farley & Loetscher Mfg. Co., Dubuque, Iowa.
Gould Mfg. Co., Oshkosh, Wis.
A. J. Griffin, Cohoes, N. Y.
Jos. Hafner Mfg. Co., Dock & Main Sts., St. Louis, Mo.
C. J. Hamilton, Buffalo, N. Y.
S. Heyser & Sons, Jackson, Mich.
C. D. Hill & Co., Addison, N. Y.
Hughes Lumber Co., Chattanooga, Tenn.
Huttig Bros. Mfg. Co., Muscatine, Iowa.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
Laird Norton Co., Winona, Minn.
Linton Mfg. Co., E. Saginaw, Mich.
Martin & Driebholz, Ramos, La.
Mechanic's Planing Mill Co., 2d & Salisbury Sts., St. Louis, Mo.
Wm. B. Mershon & Co., Saginaw, East Side, Mich.
Murphy & Diebold, Pittsburgh, Pa.
N. Y. Lumber & Wood Working Co., 173 Broadway, New York.
Palmer, Fuller & Co., W. 22d & S. Union Sts., Chicago, Ill.
Philbert & Johanning Mfg. Co., 1502 Market St., St. Louis, Mo
Phœnix Lumber Co., Houston, Tex.

Prewitt, Spurr & Co., Nashville, Tenn.
Radford Bros. & Co., Oshkosh, Wis.
Reed & Sherwood, Anoka, Minn.
E. L. Roberts & Co., W. 22d & Lumber Sts., Chicago, Ill.
Rock Island Lumber & Mfg. Co., Rock Island, Ill.
Alonzo Roberson, Binghamton, N. Y. *253
Smith & Wyman, Minneapolis, Minn.
South Pittsburgh Planing Mill Co., Pittsburgh, Pa.
Swain & Hudson, Marysville, Cal.
Jesse Thompson & Co., Augusta, Ga.
P. P. Toale, Charleston, S. C.
Watkins & Fuller Lumber Co., 22d & Throop Sts., Chicago, Ill.
Whitehurst & Owen, Richmond, Va.
E. P. Wilce & Co , W. 22d & Throop Sts., Chicago, Ill.
Wm. Willer, Milwaukee, Wis.
Williams & Hunting, Cedar Rapids, Iowa.
Wilson & Bro., San Francisco, Cal.
Winona Lumber Co., Winona, Minn.
Wright & Boyle, Oswego, N. Y.
Youmans Bros. & Hodgins, Winona, Minn.

A. IRON SASHES
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Champion Iron Co., Kenton, O.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.

286. SEWER MANHOLES.
Empire Iron Works, 518 W. 22d St., New York.
Springfield Foundry Co., Springfield, Mass.

287. SHEATHING.

A. ASBESTOS SHEATHING.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
Chalmers-Spence Co., 419 8th St., New York.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Shields & Brown Co., 240 Randolph St., Chicago, Ill.
H. F. Watson Co., Erie, Pa.

B. COPPER SHEATHING.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Baltimore Copper Smelting & Rolling Co., Baltimore, Md.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
C. G. Hussey & Co., Pittsburgh, Pa.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
New Bedford Copper Co., New Bedford, Mass.
New Haven Copper Co., Seymour, Conn.
Taunton Copper Mfg. Co., Taunton, Mass. *51
Wallace & Sons, 29 Chambers St., New York.

C. PAPER SHEATHING
Armour Bros. & Co., Stanley, N. J.
M. J. Lawless & Co., Marcellus Falls, New York.
Lydall & Foulds Paper Co., Manchester, Conn.
T. New Mfg. Co., 32 John St., New York.
John Roberts & Son, Waltham, Mass.
Standard Paint Co., 2 Liberty St., New York.
H. F. Watson Co., Erie, Pa.

D. PAPER SHEATHING, WATERPROOF.
F. W. Bird & Son, E. Walpole, Mass. *46
Hammerschlag Mfg. Co., 234 Greenwich St., New York.
H. F. Watson Co , Erie, Pa.

F. TARRED SHEATHING.
M. Ehret, Jr., & Co., 423 Walnut St., Philadelphia, Pa.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
St. Louis Coal Tar Co., Levee & Convent Sts., St. Louis, Mo.

F. YELLOW METAL SHEATHING.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
New Bedford Copper Co., New Bedford, Mass.
Taunton Copper Mfg. Co., Taunton, Mass. *51

G. ZINC SHEATHING.
Taunton Copper Mfg. Co., Taunton, Mass. *51

288. SHUTTERS.

A. IRON SHUTTERS.
S. B. Althause & Co., 101 Thompson St., New York.
Berlin Iron Bridge Co., East Berlin, Conn.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Il
Champion Iron Co., Kenton, O.
Christopher & Simpson A. I. & Foundry Co., St. Louis, Mo.
Cincinnati Corrugating Co., Piqua, O.
Cook & Radley, 214 E. 37th St., New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
Emporia Foundry & Machine Works, Emporia, Kan.
J. W. Fiske, 28 Park Place, New York.
Garry Iron & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
Grygla & Shelden, Minneapolis, Minn.
R. F. Hawkins Iron Works, Springfield, Mass.
Illinois Iron Works, 174 Van Buren St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.

Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.
J. H. Van Dorn, Cleveland, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.
Wheeling Corrugating Co., Wheeling, W. Va. *46

B. IRON SHUTTERS, ROLLING. J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
Jas. G. Wilson, 74 W. 23d St., New York.

C. WOOD SHUTTERS. Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Lee, Holland & Co., Buffalo, N. Y.
Linton Mfg. Co., Saginaw, East Side, Mich.
Alonzo Roberson, Binghamton, N. Y. *253
Watson & Robinson, 32 Queen St., Philadelphia, Pa.
Wm. Willer, Milwaukee, Wis.

289. SIDING, METALLIC. Cincinnati Corrugating Co., Piqua, O.
Cortright Metal Roof Co., 441 N. Broad St., Phila., Pa.
W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
Mo. Iron Roofing & Corrugating Co., 1502 S. 2d St., St. Louis, Mo.
National Sheet Metal Roofing Co., 510 E. 20th St., New York City.
Thompson Mfg. Co., Cleveland, O.
Wheeling Corrugating Co., Wheeling, W. Va. *46

290. SKYLIGHTS. Nelson Beckwith, 41 Beverly St., Boston, Mass.
Bradley & Currier Co., Hudson & Spring Sts., New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
Dale Tile Mfg. Co., Ltd., 398 Broome St., New York.
Dauchy Iron Works, 84 Illinois St., Chicago, Ill.
J. G. & T. Dimond, 209 W. 33d St., New York.
J. F. Forderer, 224 Mission St., San Francisco, Cal.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
Grygla & Selden, Minneapolis, Minn.
Geo. Hayes, 71 8th Av., New York.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Illinois Iron Works, 174 Van Buren St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
Moseley Iron Bridge & Roof Co., 5 Dey St., New York.
Phœnix Iron Co., Trenton, N. J.
Jos. Plenty, 144 Pearl St., New York.
Rasner & Dinger, Pittsburgh, Pa.
John Seton & Co., 78 Washington Av., Brooklyn, N. Y.
Chas. Thuener & Co., 8 S. Jefferson Av., St. Louis, Mo.
Vaile & Young, Baltimore, Md.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.

291. STAINED WOOD. Haskins Wood Vulcanizing Co., 40 Wall St., New York. *45

292. STAIRWORK.

A. IRON SPIRAL STAIRCASES. J. W. Fiske, 28 Park Place, New York.
R. F. Hawkins Iron Works, Springfield, Mass.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Fred. J. Meyers Mfg. Co., Covington, Ky.

B. IRON STAIRS. Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Champion Iron Co., Kenton, O.
M. Clements, Baymiller & Hathaway Sts., Cincinnati, O.
J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W. 33d St., New York.
R. F. Hawkins Iron Works, Springfield, Mass.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
Illinois Iron Works, 174 Van Buren St., Chicago, Ill.
Kansas City Wire & Iron Works, Kansas City, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Phœnix Iron Co., Trenton, N. J.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.
J. H. Van Dorn, Cleveland, O.
Variety Iron Works, York, Pa.

C. SLATE STAIRWORK. C. W. Billings, Troy, N. Y.
California Slate Co., 9 Mission St., San Francisco, Cal.
Penrhyn Slate Co., 101 E. 17th St., New York.

D. STEP BRACKETS. H. B. Smith Co., Westfield, Mass. *55

E. WOOD STAIRWORK. Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
Alonzo Roberson, Binghamton, N. Y. *253
J. Gibb Smith Co., New Haven, Conn.
Wm. Willer, Milwaukee, Wis.

293. STONE, BUILDING.

A. ARTIFICIAL STONE. Cleveland Stone Co., Cleveland, O.
Wm. Krause & Son, 1621 N. 5th St., Philadelphia, Pa.

Chas. Kuhl Artificial Stone Co , 91 W. Canal St., Cincinnati, O.
Pierce Mfg. Co , Bridgeport, Conn.
Racine Cement & Pipe Co., Racine, Wis.
Jos. Sharpe, Paterson, N. J.

B BLUE STONE.
F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Thos. J. Dunn, 444 E. 68th St., New York.
Malone Stone Co., Cleveland, O.
Warsaw Blue Stone Co., Warsaw, N. Y.

C. BROWN STONE.
Ashland Brown Stone Co., Ashland, Wis.
Bayfield Brown Stone Co., Bayfield, Wis.
R. Gill & Sons, ft. E. 106th St., New York.
Jas. Gillies & Sons, ft. W. 50th St., New York.
M. C. Henry & Co., ft. E. 79th St., New York.
Hummelstown Brown Stone Co., Waltonville, Pa.
New England Brown Stone Co , Cromwell, Conn.
Prentice Brown Stone Co., Ashland, Wis.

D. FOUNDATION STONE.
Maine Red Granite Co., Red Beach, Me.
New England Brown Stone Co., Cromwell, Conn.
Phila. & Conshohocken Stone Q. Co., 216 S. 4th St., Phila., Pa.

E. FREESTONE.
Cincinnati Stone Works, 36 Hannibal St., Cincinnati, O.
David Hummel, 726 Freeman Av., Cincinnati, O.
Malone Stone Co., Cleveland, O.

F. LIME STONE.
Le Grand Quarry Co., Marshallton, Iowa.
Malone Stone Co., Cleveland, O.

G. MARBLE.
Burlington Mfg. Co., Burlington, Vt.
Davidson & Sons, ft. N. Market St., Chicago, Ill.
Davidson Sons Marble Co., 557 W. 26th St., New York.
Adolph Klaber, 240 E. 57th St., New York.
Le Grand Quarry Co., Marshalltown, Iowa.
Notla Consolidated Marble, Iron & Talc Co., Kinsey, N. C.
Republic Marble Co., Concord, Tenn.
Sharpless & Watts, 1522 Chestnut St., Phila., Pa.
Sherman & Flavin, 2511 State St., Chicago, Ill.
Wm. C. Townsend, Zanesville, O.

H. RED GRANITE.
Maine Red Granite Co., Red Beach, Me.

I. RED SANDSTONE.
Portage Red Stone Co., 189 La Salle St., Chicago, Ill.

J. ROUGH GRANITE.
Brandywine Granite Co., Wilmington, Del.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 60 Bank St., New York.
Greystone Granite & Construction Co., Raleigh, N. C.
Hallowell Granite Co., Hallowell, Me.
Maine Red Granite Co., Red Beach, Me.
McClenahan & Bro., Port Deposit, Md.
Mt. Waldo Granite Works, Frankfort, Me.
N. E. Granite Works, Hartford, Conn.
Smith Granite Co., Westerly, R. I.
Vermont Marble Co., Proctor, Vt.

K. RUBBLE.
Hudson River Broken Stone & Supply Co., Storm King, N. Y.
New England Brown Stone Co., Cromwell, Conn.

L. SOAPSTONE.
Bowker, Torry & Co., 118 Portland St., Boston, Mass.
Williams & Co., Nashua, N. H.

294. STONE STEPS.
F. G. Clarke Blue Stone Co., Oxford, N. Y. *37
Hazard Slate Co., Fair Haven, Vt.
Saegersville Slate Quarrying & Mfg. Co., Slatington, Pa.

295. STOOPS, IRON.
J. B. & J. M. Cornell, 141 Centre St., New York.
J. G. & T. Dimond, 209 W. 33d St., New York.

296. STORM THRESHOLDS.
Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.

297. STRAW LUMBER.
Am. Straw Board Co., 152 Michigan Av., Chicago, Ill.

298. STRUCTURAL IRON & STEEL.

A. ANGLE IRON & STEEL.
Ætna Iron & Steel Co., Bridgeport, O.
Bessemer Rolling Mill, Bessemer, Ala.
Birmingham Rolling Mill Co., Birmingham, Ala.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Diamond State Iron Co., Wilmington, Del.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Johnson Co., Johnstown, Pa.
H. Lloyd, Sons & Co., Pittsburgh, Pa.
Montour Iron & Steel Co., Danville, Pa.
Passaic Rolling Mill Co., Paterson, N. J.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Phœnix Iron Co., Trenton, N. J.
Portage Iron Co., Duncansville, Pa.
Pencoyd Iron Works, Pencoyd, Pa.
Tudor Iron Works; 415 Locust St., St. Louis, Mo.

B. BARS.	Ætna Iron & Steel Co., Bridgeport, O.
	Birmingham Rolling Mill Co., Birmingham, Ala.
	Cambria Iron Co., Johnstown, Pa.
	Central Iron & Steel Co., Brazil, Ind.
	H. Lloyd, Sons & Co., Pittsburgh, Pa.
	Pottsville Iron & Steel Co., Pottsville, Pa.
	Riverside Iron Works, Wheeling, W. Va.
	J. H. Sternberger & Son, Reading, Pa.
C. BARS, EYE.	American Iron & Steel Works, Pittsburgh, Pa.
	Keystone Bridge Co., Pittsburgh, Pa.
	Passaic Rolling Mill Co., Paterson, N. J.
D. BARS, TIE.	Passaic Rolling Mill Co., Paterson, N. J.
	Pencoyd Iron Works, Pencoyd, Pa.
	Pottsville Iron & Steel Co., Pottsville, Pa.
E. BEAMS, IRON.	American Iron & Steel Works, Pittsburgh, Pa.
	Birmingham Rolling Mill Co., Birmingham, Ala.
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
	Columbia Iron & Steel Co., Pittsburgh, Pa.
	Champion Iron Fence Co., Kenton, O.
	J. B. & J. M. Cornell, 141 Centre St., New York.
	J. G. & T. Dimond, 209 W. 33d St., New York.
	Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.
	Jackson Arch. Iron Works, 315 E. 28th St., New York.
	Passaic Rolling Mill Co., Paterson, N. J.
	Paxton & Vierling Iron Works, Omaha, Neb.
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
	Phœnix Iron Co., Trenton, N. J.
	Wm. B. Pollock & Co., Youngstown, O.
	Pottsville Iron & Steel Co., Pottsville, Pa.
	Trenton Iron Co., Trenton, N. J.
	Variety Iron Works, York, Pa.
F. BEAMS, IRON DECK.	Johnson Co., Johnstown, Pa.
	Pencoyd Iron Works, Pencoyd, Pa.
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
	Phœnix Iron Co., Trenton, N. J.
G. BEAMS, STEEL.	J. B. & J. M. Cornell, 141 Centre St., New York.
	Passaic Rolling Mill Co., Paterson, N. J.
	Paxton & Vierling Iron Works, Omaha, Neb.
	Pencoyd Iron Works, Pencoyd, Pa.
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
H. BRIDGE IRON.	American Iron & Steel Works, Pittsburgh, Pa.
	J. B. & J. M. Cornell, 141 Centre St., New York.
	Birmingham Rolling Mill Co., Birmingham, Ala.
	Edge Moor Bridge Works, Edge Moor, Del.
	Harrisburg Car Mfg. Co., Harrisburg, Pa.
	Keystone Bridge Co., Pittsburgh, Pa.
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
	Riter & Conley, Pittsburgh, Pa.
	Scherpe & Koken Architectural Iron Co., St. Louis, Mo.
	J. H. Sternbergh & Son, Reading, Pa.
	Walton Architectural Iron Co., Harrison & Culvert Sts., Cin., O.
I. CHANNEL IRON.	American Iron & Steel Works, Pittsburgh, Pa.
	Ætna Iron & Steel Co., Bridgeport, O.
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
	Johnson Co., Johnstown, Pa.
	Passaic Rolling Mill Co., Paterson, N. J.
	Pencoyd Iron Works, Pencoyd, Pa.
	Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
	Pottsville Iron & Steel Co., Pottsville, Pa.
J. CHANNEL STEEL.	Ætna Iron & Steel Co., Brideport, O.
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
K. CORRUGATED IRON.	Berlin Iron Bridge Co., E. Berlin, Conn.
	Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
	Cincinnati Corrugating Co., Piqua, O.
	Garry Iron & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
	Holton Iron Roofing Co., New Lisbon, O.
	W. G. Hyndman & Co., 52 E. 2d St., Cincinnati, O.
	Keystone Bridge Co., Pittsburgh, Pa.
	McCullough Iron Co., Wilmington, Del.
	Standard Iron Co., Bridgeport, O.
	E. E. Southern & Bro., 932 N. 2d St., St. Louis, Mo.
	Wheeling Corrugating Co., Wheeling, W. Va. *46
	Alan Wood Co., 519 Arch St., Philadelphia, Pa.
L. CORRUGATED STEEL.	Cincinnati Corrugating Co., Piqua, O.
	Garry Iron & Steel Roofing Co., 152 Merwin St., Cleveland, O. *44
	E. E. Souther & Bro., 932 W. 2d St., St. Louis, Mo.

	Wheeling Corrugating Co., Wheeling, W. Va.	*46
M. GIRDERS, BOX.	Berlin Iron Bridge Co., E. Berlin, Conn.	
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Vulcan Iron Works, Wilkesbarre, Pa.	*131
N. GIRDERS, IRON.	American Iron & Steel Works, Pittsburgh, Pa.	
	Baugher, Kuntz & Stewart, York, Pa.	
	Carroll–Porter Boiler & Tank Co., Pittsburgh, Pa.	*148
	J. B. & J. M. Cornell, 141 Centre St., New York.	
	Dickson Mfg. Co., Scranton, Pa.	
	J. G. & F. Dimond, 209 W. 33d St., New York.	
	Edge Moor Iron Works, Edge Moor, Del.	
	Emporia Foundry & Mach. Co., Emporia, Kan.	
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Jackson Arch. Iron Works, 315 E. 28th St , New York.	
	King Iron Bridge & Mfg. Co., Cleveland, O.	
	Duncan Mackenzie, Trenton, N. J.	*118
	Passaic Rolling Mill Co., Paterson, N. J.	
	Phœnix Iron Co., Trenton, N. J.	
	Pennsylvania Bridge Co., Beaver Falls, Pa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Pottsville Iron & Steel Co., Pottsville, Pa.	
	Riter & Conley, Pittsburgh, Pa.	
	Wm. Taylor & Son, 25 Adams St., Brooklyn, N. Y.	
	Trenton Iron Co., Trenton, N. J.	
	Variety Iron Works, York, Pa.	
	Vulcan Iron Works, Wilkesbarre, Pa.	*131
O. GIRDERS, PLATE.	D. H. Andrews, 70 Kilby St., Boston, Mass.	
	Berlin Iron Bridge Co., E. Berlin, Conn.	
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Vulcan Iron Works, Wilkesbarre, Pa.	*131
P. GIRDERS, STEEL.	King Iron Bridge & Mfg. Co., Cleveland, O.	
	Pennsylvania Bridge Co., Beaver Falls, Pa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
Q. GIRDERS, TEE.	Dickson Mfg. Co., Scranton, Pa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
R. L & T IRON.	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Diamond State Iron Co., Wilmington, Del.	
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
	Passaic Rolling Mill Co., Paterson, N. J.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Phœnix Iron Co., Trenton, N. J.	
	Portage Iron Co., Duncansville, Pa.	
	Trenton Iron Co., Trenton, N. J.	
S. L & T STEEL.	Ætna Iron & Steel Co., Bridgeport, O.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Clark, Raffen & Co., Ohio & Kingsbury Sts., Chicago, Ill.	
	Pencoyd Iron Works, Pencoyd, Pa.	
T. PLATES, BRIDGE.	Birmingham Rolling Mill Co., Birmingham, Ala.	
	Columbus Bolt Works, Columbus, O.	
	Keystone Bridge Works, Pittsburgh, Pa.	
	Wm. McIlvain & Sons, Reading, Pa.	
	Passaic Rolling Mill Co., Paterson, N. J.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Pottstown Iron Co., Pottstown, Pa.	
U. PLATES, IRON.	Ætna Iron & Steel Co., Bridgeport, O.	
	Bessemer Rolling Mills, Bessemer, Ala.	
	Birmingham Rolling Mill Co., Birmingham, Ala.	
	Clement M. Biddle & Co., Pittsburgh, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.	
	Moorhead-McCleane Co., Pittsburgh, Pa.	
	Passaic Rolling Mill Co., Paterson, N. J.	
	Pencoyd Iron Works, Pencoyd, Pa.	
	Pottsville Iron & Steel Co., Pottsville, Pa.	
	Pottstown Iron Co., Pottstown, Pa.	
	Reading Iron Co., Reading, Pa.	
	Geo. Reeves, Niles, O.	
	Seidel & Hastings Co., Wilmington, Del.	
	Springfield Iron Co., Springfield, Ill.	
	Alan Wood Co., 519 Arch St., Philadelphia, Pa.	
V. PLATES, IRON, BOILER.	Birmingham Rolling Mill Co., Birmingham, Ala.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Cleveland Rolling Mills Co., Cleveland, O.	
	Diamond State Iron Co., Wilmington, Del.	

Eureka Iron & Steel Works, Wyandotte, Mich.
Globe Rolling Mill Co., 163 W. Pearl St., Cincinnati, O.
Howe, Brown & Co., Ltd., Pittsburgh, Pa.
H. Lloyd Sons & Co., Pittsburgh, Pa.
Wm. McIlvain & Sons, Reading, Pa.
Mahoning Valley Iron Co., Youngstown, O.
Otis Steele Co., Cleveland, O.
Pottstown Iron Co., Pottstown, Pa.
Paterson Iron Co , Paterson, N. J.
Geo. Reeves, Niles, O.
Shoenberger & Co., Pittsburgh, Pa.
Singer, Nimick & Co., Pittsburgh, Pa.
Springfield Iron Co., Springfield, Ill.
Stroud & Co., 104 John St., New York.
Wellman Iron & Steel Co., Thurlow, Pa.
Alan Wood Co., 519 Arch St., Philadelphia, Pa.

W. PLATES, STEEL.
Ætna Iron & Steel Co., Bridgeport, O.
Clement M. Biddle & Co., Pittsburgh, Pa.
Dickson Mfg. Co., Scranton, Pa.
Howe, Brown & Co., Ltd., Pittsburgh, Pa.
Globe Rolling Mill Co.. 165 W. Pearl St., Cincinnati, O.
Wm. McIlvain & Sons, Reading, Pa.
Morehead McCleane Co., Pittsburgh, Pa.
Park Bro. & Co., Ltd., Pittsburgh, Pa.
Passaic Rolling Mill Co., Paterson, N. J.
Paterson Iron Co., Paterson, N. J.
Riverside Iron Works, Wheeling, W. Va.
Seidel & Hastings Co., Wilmington, Del.
Singer, Nimick & Co., Pittsburgh, Pa.
Spang Steel & Iron Co., Ltd , Pittsburgh, Pa.
Springfield Iron Co., Springfield, Ill.

X. PLATES, STEEL, BOILER.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Linden Steel Co., Pittsburgh, Pa.
Otis Steel Co., Ltd., Cleveland, O.
Paterson Iron Co., Paterson, N. J.
Pottstown Iron Co., Pottstown, Pa.
Spang Steel & Iron Co., Ltd., Pittsburgh, Pa.

Y. PLATES, TANK.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Wm. McIlvain & Sons, Reading, Pa.
Paterson Iron Co., Paterson, N. J.
Pottstown Iron Co., Pottstown, Pa.
Otis Steel Co., Ltd., Cleveland, O.
Springfield Iron Co., Springfield, Ill.
Wellman Iron & Steel Co , Thurlow, Pa.

Z. ROOF TRUSSES.
D. H. Andrews, 70 Kilby St., Boston, Mass.
King Iron Bridge & Mfg. Co., Cleveland, O.
Passaic Rolling Mill Co., Paterson, N. J.
Paxton & Vierling Iron Works, Omaha, Neb.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Phœnix Iron Co., Trenton, N. J.

AA. SHIP IRON & STEEL.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Pencoyd Iron Works, Pencoyd, Pa.

299. SUMMER HOUSES.
Howard & Morse, 45 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Sedgwick Bros., Richmond, Ind.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

300. TABLETS, MEMORIAL.
J. & R. Lamb, 59 Carmine St., New York.

301. TERRA COTTA, ARCHITECTURAL.
Burns, Russell & Co., Baltimore, Md.
Gladding, McBean & Co., Lincoln, Cal.
Glens Falls Terra Cotta Brick Co., Glens Falls, N. Y.
Hall & Sons, Buffalo, N. Y.
Indianapolis Terra Cotta Co., Brightwood, Ind.
New York Agricult. Terra Cotta Co., 316 Potter Bldg., New York.
Northwestern Terra Cotta Co. 1118 Rookery Bldg., Chicago, Ill.
Perth Amboy Terra Cotta Co , Perth Amboy, N. J.
Reading Terra Cotta Works, Reading, Pa.
Stevens & Co., Wellsville, O.
Stephens, Armstrong & Conkling, 46th & Girard Av., Phila., Pa.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal.

302. TILES.

A. ART TILES.
Farnham Marble & Mantel Co., Minneapolis, Minn.
Low Art Tile Co., Chelsea, Mass.

B. ENCAUSTIC TILES.
American Encaustic Tiling Co., Ltd., Zanesville, O.

Portland Stone Co., St. Paul, Minn.
Star Encaustic Tile Co., Pittsburgh, Pa.
The Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Co., Indianapolis, Ind.

C. MARBLE TILES.
Burlington Mfg. Co., Burlington, Vt.
Daniel L. Crosscupp & Son, 212 S. 24th St., Philadelphia, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Sherman & Flavin, 2511 State St., Chicago, Ill.

D. PAVING TILES.
Aldridge Bros. & Co., Dutchess Junction, N. Y.
Allison, Wood, Keenan & Co., Haverstraw, N. Y.
Alsip Brick Co., 159 Lasalle St., Chicago, Ill.
American Encaustic Tiling Co., Ltd., Zanesville, O.
Boston Terra Cotta Co., 394 Federal St., Boston, Mass.
C. W. Boynton, Woodbridge, N. J.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Columbus Brick & Terra Cotta Co., Columbus, O.
Henry Dibbles Co., 266 Wabash Av., Chicago, Ill.
Evansville Pressed Brick Co., Evansville, Ind.
Excelsior Brick & Stone Co., 423 Walnut St., Philadelphia, Pa.
Fisher's Island Brick Mfg. Co., New London, Conn.
Gainesville Pressed Brick Co., Gainesville, Tex.
Jas. Gardner, Cumberland, Md.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
Goodland Steam Tile Works, Goodland, Ind.
Hampden Brick Works, Springfield, Mass.
Wm. H Jackson & Co., 29 E. 17th St., New York.
B. Kreischer & Co., 132 Mangin St., New York.
Low Art Tile Co., Chelsea, Mass.
Mackey Brick & Tile Co., San Antonio, Tex.
Mehrhoff Bros., Little Ferry, N. J.
Moore & Rawlins, Dallas, Tex.
Patent Brick Co., San Francisco, Cal.
Peerless Brick Co., 24 S. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Rochester Brick & Tile Mfg. Co., Rochester, N. Y.
Ruka Bros. Mfg. Co., Boscobel, Wis.
St. Paul & Minneapolis Pressed Brick Co., Minneapolis, Minn.
Terry Bros., Rondout, N. Y.
Trent Tile Co., Trenton, N. J.
M. D. Valentine & Bro., Woodbridge, N. J.
Adam Weber, 633 E. 15th St., New York.

E. SLATE TILES.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
E. L. Goodrich & Co., Fair Haven, Vt.
Penrhyn Slate Co., 101 E. 17th St., New York.

303. TIMBER.

A. BRIDGE TIMBER.
Atlanta Lumber Co., Atlanta, Ga.
Carolina Oil & Creosote Co., Wilmington, N. C.
Coolidge Fuel & Supply Co., Minneapolis, Minn.
Mann Bros., 6 Wabash Av., Chicago, Ill.
Mitchell & Rowland Lumber Co., Toledo, O.
Nona Mills Co., Nona, Tex.
Rietman & Schutte, Evansville, Ind.
Texas Tram & Lumber Co., Beaumont, Tex.
H. H. Thornton, Pensacola, Fla.
Vanderbilt & Hopkins, 120 Liberty St., New York.

B. MASTS.
M. L. Andrews, Gloucester, Mass.
Johnson & Howland, New Bedford, Mass.
W. C. Stiles, Warren, O.
H. H. Thornton, Pensacola, Fla.

C. PILING.
Carolina Oil & Creosote Co., Wilmington, N. C.
L. R. Millen & Co., 16 Beaver St., New York.
H. H. Thornton, Pensacola, Fla.
Vanderbilt & Hopkins, 120 Liberty St., New York.

D. RAILROAD TIES.
Badger Lumber Co., Kansas City, Mo.
Carolina Oil & Creosote Co., Wilmington, N. C.
Clark Mfg. Co., Cadott, Wis.
P. L. Conquest & Co., Richmond, Va.
Coolidge Fuel & Supply Co., Minneapolis, Minn.
Fort Bragg Redwood Co., San Francisco, Cal.
H. M. Loud & Sons Lumber Co., Oscoda, Mich.
Rietman & Schulte, Evansville, Ind.
John L. Roper Lumber Co., Norfolk, Va.
Texas Tram & Lumber Co., Beaumont, Tex.
H. H. Thornton, Pensacola, Fla.
Vanderbilt & Hopkins, 120 Liberty St., New York.

E. SHIP DECKING.
L. R. Millen & Co., 16 Beaver St., New York.

W. H. H. Smith & Co., Toledo, O.
W. C. Stiles, Warren, O.
H. H. Thornton, Pensacola, Fla.

F. SHIP TIMBER. W. C. Stiles, Warren, O.

G. TELEGRAPH CROSS ARMS. Geo. R. Butler & Co., Sandusky, O.
H. M. Loud & Sons Lumber Co., Oscoda, Mich.

H. TELEGRAPH POLES. Brownlee & Co., Detroit, Mich.
J. B. Chatterton, Minneapolis, Minn.
Coolidge Fuel & Supply Co., Minneapolis, Minn.
H. M. Loud & Sons Lumber Co., Oscoda, Mich.

304. VENEERS.
E. D. Albro & Co., 685 W. 6th St., Cincinnati, O.
Astoria Veneer Mills, Astoria, L. I., N. Y.
J. H. Batchelder, Helena, Ark.
Bridgeport Wood Finishing Co., New Milford, Conn.
Compound Lumber Co., 421 Home Insurance Bldg., Chicago, Ill.
Wm. Kein, 111 S. Peters St., New Orleans, La.
Louisville Veneer Mills Co., Louisville, Ky.
Oakes & Burger, Cattaraugus, N. Y.
Palmer, Parker & Co., 123 Portland St., Boston, Mass.
W. E. Uptegrove & Bro., 465 E. 10th St., New York.
G. R. Veneer Works, Grand Rapids, Mich.

305. VERANDAS, IRON.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Scherpe & Koken Architectural Iron Co., St. Louis, Mo.

306. VIADUCTS, IRON & STEEL.
Detroit Bridge & Iron Co., Detroit, Mich.
Edge Moor Iron Co., Edge Moor, Del.
R. F. Hawkins Iron Works, Springfield, Mass.
Keystone Bridge Co., Pittsburgh, Pa.
Pencoyd Iron Works, Pencoyd, Pa.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Pittsburgh Bridge Co., Pittsburgh, Pa.
Trenton Iron Co., Trenton, N. J.
Union Bridge Co., Buffalo, N. Y.

307. VULCANIZED WOOD.
Haskins Wood Vulcanizing Co., 40 Wall St., New York. *45

308. WAINSCOTING.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Burlington Mfg. Co., Burlington, Vt.
Derby Building & Lumber Co., Derby, Conn.
Linton Mfg. Co., Saginaw, E. S., Mich.
Alonzo Roberson, Binghamton, N. Y. *253

A. WAINSCOTING, PARQUET. Boughton & Terwilliger, 23d St. & 5th Av., New York.

309. WEATHERBOARDING.

A. CLAP BOARDS. Berlin Mills Co., Portland, Me.
Brinkley Car Works & Mfg. Co., Brinkley, Ark.
W. R. Elliott, North Duxbury, Vt.
Alonzo Roberson, Binghamton, N. Y. *253
South Pittsburgh Planing Mill Co., Pittsburgh, Pa.

B. IRON WEATHERBOARDING. Cincinnati Corrugating Co., Piqua, O.
Missouri Iron Roofing & Corrugating Co., St. Louis, Mo.
Wheeling Corrugating Co., Wheeling, W. Va. *46

310. WEATHER VANES.
Champion Iron Co., Kenton, O.
J. W. Fiske, 28 Park Place, New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
W. H. Mullins, Salem, O.
J. H. Van Dorn, Cleveland, O.
J. D. West & Co., 40 Cortlandt St., New York.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

311. WINDOW CAPS, IRON.
Emporia Foundry & Machine Works, Emporia, Kan.
George Fisher & Bro., 209 Forsyth St., New York.
Mansfield Machine Works, Mansfield, O.
Mesker & Bro., 421 S. 6th St., St. Louis, Mo.
W. H. Mullins, Salem, O.
St. Paul Roofing & Cornice Works, St. Paul, Minn.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.

312. WINDOWS, GLAZED.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Glendon Co., 45 Kilby St., Boston, Mass.
Jos. Hafner Mfg. Co., Dock & Main Sts., St. Louis, Mo.
Huttig Sash & Door Co., Dock & Main Sts., St. Louis, Mo.
Alonzo Roberson, Binghamton, N. Y. *253
Arthur F. Tyler, Athol, Mass. *44

313. WOODEN LATTICES.
Chicago Grille Mfg. Co., 164 Dearborn St., Chicago, Ill.
Cutting & Delaney, Buffalo, N. Y.
E. S. Ransom & Co. Cleveland, O.
Alonzo Roberson, Binghamton, N. Y. *253

XI. CORDAGE AND NETS.

314. CORD.

A. ASBESTOS CORD.	Chalmers Spence Co., 419 8th St., New York.	
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.	
B. BALING CORD.	Ossawan Mills Co., Norwich, Conn.	*65
C. BELL CORD.	John Flocker & Co., Allegheny, Pa.	
	Herkner & Stine, 8 Ferry St., New York.	
	Horstmann Bros. & Co., N. 5th & Cherry Sts., Phila., Pa.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Ross, Turner & Co., 31 Otis St., Boston, Mass.	
	Samson Cordage Works, 115 Congress St., Boston, Mass.	
	Morris Sellers & Co., W. Chicago Av. n. N. Branch St., Chicago, Ill.	
	Silver Lake Co., Newtonville, Mass.	
	William Wall's Sons, 113 Wall St., New York.	
D. BINDERS' CORD.	Bentley & Gerwig, Ltd., New Brighton, Pa.	
	Cable Flax Mills, Schaghticoke, N. Y.	
E. JUTE CORD.	Ashland Flax Mill Co., Ashland, O.	
	Thos. Jackson & Sons, Reading, Pa.	
	Schlichter Jute Cordage Co., 21 Front St., Philadelphia, Pa.	
	Wm. Wall's Sons, 113 Wall St., New York.	
	Warren Thread Works, Westfield, Mass.	
F. MACRAMÉ LACE CORDS.	Lees Mfg. Co., Westport, Conn.	
	Tucker & Cook, Springfield, Mass.	
G. PICTURE CORD.	E. W. Gilmore & Co., N. Easton, Mass.	
	Andrew B. Hendryx Co., New Haven, Conn.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Turner & Seymour Mfg. Co., Torrington, Conn.	
H. PICTURE CORD, WORSTED.	Ossawan Mills Co., Norwich, Conn.	*65
I. SASH CORD.	John Bonte's Sons Co., 327 Broadway, Cincinnati, O.	
	Dolphin Mfg. Co., Paterson, N. J.	
	Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Phosphor Bronze Smelting Co , Ltd., 512 Arch St., Phila., Pa.	
	Samson Cordage Works, 115 Congress St., Boston, Mass.	
	Silver Lake Co., Newtonville, Mass.	
	Trenton Iron Co., Trenton, N. J.	
	Wm. Wall's Sons, 113 Wall St., New York.	
J. SHADE CORD.	Burr, Brown & Co., Hingham, Mass.	
	Lees Mfg. Co., Westport, Conn.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Silver Lake Co., Newtonville, Mass.	
	Wm. Wall's Sons, 113 Wall St., New York.	
	Jay C. Wemple Co., 537 Broadway, New York.	
K. SIGNAL CORD.	Ossawan Mills Co., Norwich, Conn.	*65
L. SUSPENDER CORD.	Ossawan Mills Co., Norwich, Conn.	*65
	Silver Lake Co., Newtonville, Mass.	
	Wm. Wall's Sons, 113 Wall St., New York.	
	Warren Thread Works, Westfield, Mass.	
M. VENETIAN BLIND CORD.	Ossawan Mills Co., Norwich, Conn.	*65
N. VENTILATOR CORD.	J. W. Fiske, 28 Park Place, New York.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Silver Lake Co., Newtonville, Mass.	
	Wm. Wall's Sons, 113 Wall St., New York.	

315. CORDAGE.

A. BRAIDED CORDAGE.	E. W. Gilmore & Co., N. Easton, Mass.	
	Andrew B. Hendryx Co., New Haven, Conn.	
	John J. Kenyon, Pawtucket, R. I.	
	Ossawan Mills Co., Norwich, Conn.	*65
	I. E. Palmer, Middletown, Conn.	*65
	Silver Lake Co., Newtonville, Mass.	
	Sutro Bros. Braid Co., 127 Spring St., New York.	
B. FLAX CORDAGE.	Cable Flax Mills, Schaghticoke, N. Y.	
C. HEMP CORDAGE.	John T. Bailey & Co., 1136 Market St., Philadelphia, Pa.	
	Geo. H. Boute & Co., 8 Main St., Cincinnati, O.	
	John Boute Sons Co., 327 Broadway, Cincinnati, O.	
	Wm. Wall's Sons, 113 Wall St., New York.	
D. JUTE CORDAGE.	Schlichter Jute Cordage Co., 21 N. Front St., Philadelphia, Pa.	
E. MANILA & SISAL CORDAGE.	Akron Twine & Cordage Co., Akron, O.	
	Eagle & Phenix Mfg. Co., Columbus, Ga.	
	Edwin H. Fitler & Co., 23 N. Water St., Philadelphia, Pa.	

Hingham Cordage Co., Hingham, Mass.
Thos. Jackson & Son, Reading, Pa.
Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.
H. & G. W. Lord, 111 Commercial St., Boston, Mass.
Mt. Vernon Co., Baltimore, Md.
Miamisburg Binder Twine & Cordage Co., Miamisburg, O.
National Cordage Co., 132 Front St., New York.
New Bedford Cordage Co., New Bedford, Mass.
Plymouth Cordage Co., N. Plymouth, Mass.
Portland Cordage Co., Portland, O.
Samson Cordage Works, 115 Congress St., Boston, Mass.
Sewell & Day Cordage Co., 358 Western Av., Boston, Mass.
Standard Cordage Co., 127 State St., Boston, Mass.
Suffolk Cordage Co., 60 Commercial St., Boston, Mass.
Tubbs Cordage Co., San Francisco, Cal.
Tucker & Carter Cordage Co., 101 Classon Av., Brooklyn, N.Y.
Victoria Cordage Wks., E. Thompson St. c. Division, Phila., Pa.
William Wall's Sons, 113 Wall St., New York.
L. Waterbury & Co., 132 Front St., New York.
Xenia Twine & Cordage Co., Xenia, O.

F. TARRED CORDAGE.
Edwin H. Fitler & Co., 23 N. Water St., Philadelphia, Pa.
Thos. Jackson & Son, Reading, Pa.
New Bedford Cordage Co., New Bedford, Mass.
Wm. Wall's Sons, 113 Wall St., New York.

316. COTTON LASSOES.
Silver Lake Co., Newtonville, Mass.

317. HAMMOCKS.
American Net & Twine Co., Canton, Mass.
Arrowwanna Mills, Middletown, Conn.
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Geo. Heyman, 105 Mott St., New York.
Missouri Tent & Awning Co., 218 Chestnut St., St. Louis, Mo.
Neville & Co., 31 California St., San Francisco, Cal.
I. E. Palmer, Middletown, Conn. *65
Roberts Bros., 71 Market St., Chicago, Ill.

A. DOUBLE HAMMOCKS.
I. E. Palmer, Middletown, Conn. *65

B. PATENT HAMMOCKS.
I. E. Palmer, Middletown, Conn. *65

C. PILLOW HAMMOCKS.
I. E. Palmer, Middletown, Conn. *65

318. LINES.

A. AWNING LINES.
Ossawan Mills Co., Norwich, Conn. *65
Roberts Bros., 71 Market St., Chicago, Ill.
Silver Lake Co., Newtonville, Mass.

B. BRAIDED LINES.
Ossawan Mills Co., Norwich, Conn. *65

C. CHALK LINES.
J. & S. Allen, Walpole, Mass.
American Net & Twine Co., Canton, Mass.
Ossawan Mills Co., Norwich, Conn. *65
Silver Lake Co., Newtonville, Mass.

D. CLOTHES LINES.
Thos. Jackson & Son, Reading, Pa.
Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.
Ossawan Mills Co., Norwich, Conn. *65
Silver Lake Co., Newtonville, Mass.
William Wall's Sons, 113 Wall St., New York.

E. COTTON CLOTHES LINES.
January & Wood Co., Maysville, Ky.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.

F. FISHING LINES.
American Net & Twine Co., Canton, Mass.
Cable Flax Mills, Schaghticoke, N. Y.
Gloucester Net & Twine Co., 94 Commercial St., Boston, Mass.
January & Wood Co., Maysville, Ky.
H. & G. W. Lord, 111 Commercial St., Boston, Mass.
R. W. Lord & Co., Kennebunk, Me.
New Bedford Cordage Co., New Bedford, Mass.
New York Net & Twine Co., Moodus, Conn.

G. GARDEN LINES.
Silver Lake Co., Newtonville, Mass.

H. MASONS' LINES.
Ossawan Mills Co., Norwich, Conn. *65
Silver Lake Co., Newtonville, Mass.

I. SOLID BRAIDED LINES.
Ossawan Mills Co., Norwich, Conn. *65

J. TROT LINES.
Ossawan Mills Co., Norwich, Conn. *65

K. TWISTED LINES.
Ossawan Mills Co., Norwich, Conn. *65

L. WINDOW LINES.
Ossawan Mills Co., Norwich, Conn. *65

319. MARLINE.
Ludlow Mfg. Co., Ludlow, Mass.
New Bedford Cordage Co., New Bedford, Mass.
William Wall's Sons, 113 Wall St., New York.

320. NETS.

A. FISHING NETS.
American Net & Twine Co., Canton, Mass.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Gloucester Net & Twine Co., 94 Commerce St., Boston Mass.
A. & G. W. Lord, 111 Commercial St., Boston, Mass.
Missouri Tent & Awning Co., 218 Chestnut St., St. Louis, Mo.

Neville & Co., 31 California St., San Francisco, Cal.
N. Y. Net & Twine Co., Moodus, Conn.
G. Sidenberg & Co., 49 Mercer St., New York.

B. GYMNASIUM NETS.
Am. Net & Twine Co., Canton, Mass.
Heinold Bros., 15 Market St., Chicago, Ill.

321. OIL WELL CABLES.
Thos. Jackson & Son, Reading, Pa.
New Bedford Cordage Co., New Bedford, Mass.
William Wall's Sons, 113 Wall St., New York.

322. ROPE.

A. ASBESTOS ROPE.
The Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
H. F. Watson Co., Erie, Pa.

B. BALE ROPE.
Elizabethport Cordage Co., Elizabethport, N. J.
Thos. Jackson & Son, Reading, Pa.
New Bedford Cordage Co., New Bedford, Mass.
William Wall's Sons, 113 Wall St., New York.

C. BELL ROPE.
Akron Twine & Cordage Co., Akron, O.
Bibb Mfg. Co., Macon, Ga.
Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.
National Cordage Co., 132 Front St., New York.
Standard Cordage Co., 127 State St., Boston, Mass.

D. BRAIDED ROPE.
Silver Lake Co., Newtonville, Mass.

E. COTTON ROPE.
John M. Hodgson, Marble & Cresson Sts., Philadelphia, Pa.
Wm. E. Hooper & Sons, 2d & Frederick Sts., Baltimore, Md.
Hutcheson Mfg. Co., Banning, Ga.
January & Wood Co., Maysville, Ky.
Mississippi Works, Wesson, Miss.
Mt. Vernon Co., Baltimore, Md.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.

F. DERRICK ROPE.
National Cordage Co., 132 Front St., New York.
New Bedford Cordage Co., New Bedford, Mass.
Standard Cordage Co., 127 State St., Boston, Mass.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.
William Wall's Sons, 113 Wall St., New York.

G. ELEVATOR ROPE.
Akron Twine & Cordage Co., Akron, O.
Mt. Vernon Co., Baltimore, Md.
New Bedford Cordage Co., New Bedford, Mass.
Standard Cordage Co., 127 State St., Boston, Mass.
William Wall's Sons, 113 Wall St., New York.

H. HAMMOCK ROPE.
Covert Mfg. Co., West Troy, N. Y. *17
Ossawan Mills Co., Norwich, Conn. *65
William Wall's Sons, 113 Wall St., New York.

I. HORSEHAIR ROPE.
M. T. & J. A. Murphy, New Orleans, La.

J. JUTE ROPE.
Akron Twine & Cordage Co., Akron, O.
John Bonte's Sons & Co., 8 Main St., Cincinnati, O.
Boston Cordage Co., E. 6th cor. North St., Boston, Mass.
Elizabethport Cordage Co., Elizabethport, N. J.
Edwin H. Fitler & Co., 23 N. Water St., Philadelphia, Pa.
Thos. Jackson & Son, Reading, Pa.

K. MANILA & SISAL ROPE.
Kentucky River Mills, Frankfort, Ky.
National Cordage Co., 132 Front St., New York.
New Bedford Cordage Co., New Bedford, Mass.
Plymouth Cordage Co., N. Plymouth, Mass.
Reading Steam Cordage Works, Reading, Pa.
San Francisco Cordage Factory, San Francisco, Cal.
Schlichter Jute & Cordage Co., 21 N. Front St., Phila., Pa.
Tubbs Cordage Co., San Francisco, Cal.
William Wall's Sons, 113 Wall St., New York.
Xenia Twine & Cordage Co., Xenia, O.

L. RAW HIDE ROPE.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Chas. A. Schieren & Co., 45 Ferry St., New York.

M. TARRED MANILA ROPE.
New Bedford Cordage Co., New Bedford, Mass.
San Francisco Cordage Factory, San Francisco, Cal.
William Wall's Sons, 113 Wall St., New York.

323. SEINES.
American Net & Twine Co., Canton, Mass.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Gloucester Net & Twine Co., 94 Commercial St., Boston, Mass.
H. & G. W. Lord, 111 Commercial St., Boston, Mass.

324. TWINE.

A. ASBESTOS TWINE.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

B. BINDER TWINE.
Akron Twine & Cordage Co., Akron, O.
Bentley & Gerwig, New Brighton, Pa.
John Bontes' Sons Co., 8 Main St., Cincinnati, O.
Boston Cordage Co., E. 6th, cor. North St., Boston, Mass.
Geo. Bradley & Son, Dayton, O.

Cable Flax Mills, Schaghticoke, N. Y.
Wm. Deering & Co., 18 Fullerton Av., Chicago, Ill.
Dolphin Mfg. Co., Paterson, N. J.
Elizabethport Cordage Co., Elizabethport, N. J.
Empire Cordage Co., Champaign, Ill.
Field Cordage Co., Xenia, O.
Edwin H. Fitler & Co., 23 N. Water St., Philadelphia, Pa.
Fremont Hemp & Twine Co., Fremont, Neb.
Hooven & Allison, Xenia, O.
Hoover & Gamble, Miamisburg, O.
Thos. Jackson & Son, Reading, Pa.
Kentucky River Mills, Frankfort, Ky.
Miamisburg Binder Twine & Cordage Co., Miamisburg, O.
D. S. Morgan & Co., Brockport, N. Y.
National Cordage Co., 132 Front St., New York.
New Bedford Cordage Co., New Bedford, Mass.
Plymouth Cordage Co., N. Plymouth, Mass.
Portland Cordage Co., Portland, O.
Schlichter Jute & Cordage Co., 21 Front St., Philadelphia, Pa.
J. F. Seiberling & Co., Akron, O.
Standard Cordage Co., 127 State St., Boston, Mass.
Suffolk Cordage Co., 60 Commercial St., Boston, Mass.
Jas. Thompson & Co., Valley Falls, N. Y.
Tucker & Carter Cordage Co., 101 Classon Av., Brooklyn, N. Y.
Wm. Wall's Sons, 113 Wall St.. New York.
L. Waterbury & Co., 132 Front St., New York.
Xenia Twine & Cordage Co., Xenia, O.

C. COTTON TWINE.
Bibb Mfg. Co., Macon, Ga.
California Cotton Mills, San Francisco, Cal.
Cumberland Mills, Cumberland, N. C.
Druid Mills Co., Baltimore, Md. *88
J. H. Estes & Son, Fall River, Mass.
Greenwoods Co., New Hartford, Conn.
Wm. E. Hooper & Sons, 2d & Fredericks Sts., Baltimore, Md.
January & Wood Co., Maysville, Ky.
Lane Mills, New Orleans, La.
Lees Mfg. Co., Westport, Conn.
H. & G. W. Lord, 111 Commercial St., Boston, Mass.
Neville & Co., 31 California St., San Francisco, Cal.
Pennsylvania Cotton Mills, Pittsburgh, Pa.
Riverside Mills, Augusta, Ga.
James Thompson & Co., Valley Falls, N. Y.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.
Tyler Batting & Yarn Mills, Wyoming, R. I.
Westport Mfg. Co., Westport, Mass.
Whittier Cotton Mills, Lowell, Mass.

D. FLAX TWINE.
Bentley & Gerwig, Ltd., New Brighton, Pa.
Cable Flax Mills, Schaghticoke, N. Y.
A. H. Hart & Co., 550 W. 57th St., New York.
Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.
Marshall & Co., Kearney, N. J.
Ross, Turner & Co., 31 Otis St., Boston, Mass.
Smith & Dove Mfg. Co., Andover, Mass.
James Thompson & Co., Valley Falls, N. Y.

E. HARNESS TWINE.
Hadley Co., Holyoke, Mass.
Marshall & Co., Kearney, N. J.

F. HEMP TWINE.
John T. Bailey & Co., 1136 Market St., Philadelphia, Pa.
John Bontes' Sons Co., 327 Broadway, Cincinnati, O.
Cable Flax Mills, Schaghticoke, N. Y.
Fremont Hemp & Twine Co., Fremont, Neb.
Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.
Ludlow Mfg. Co., Ludlow, Mass.
Marshall & Co., Kearney, N. J.
National Cordage Co., 132 Front St., New York.
James Thompson & Co., Valley Falls, N. Y.

G. JACQUARD TWINE.
C. Moore & Co., 12 S. 5th St., Philadelphia, Pa.

H. JUTE TWINE.
John T. Bailey & Co., 1136 Market St., Philadelphia, Pa.
California Jute Mill Co., E. Oakland, Cal.
Dolphin Mfg. Co., Paterson, N. J.
Galveston Bagging & Cordage Co., Galveston, Tex.
Thomas Jackson & Son, Reading, Pa.
Schlichter Jute & Cordage Co., 21 Front St., Philadelphia, Pa.
Jas. Thompson & Co., Valley Falls, N. Y.

I. LINEN TWINE.
John T. Bailey & Co., 1136 Market St., Philadelphia, Pa.
Cable Flax Mills, Schaghticoke, N. Y.
Dunbar, McMaster & Co., Greenwich, N. Y.

	Marshall & Co., Kearney, N. J.
J. MANILA TWINE.	Akron Twine & Cordage Co., Akron, O.
	New Bedford Cordage Co., New Bedford, Mass.
	Plymouth Cordage Co., N. Plymouth, Mass.
	James Thompson & Co., Valley Falls, N. Y.
	Tubbs Cordage Co., San Francisco, Cal.
	Wm. Wall's Sons, 113 Wall St., New York.
	Xenia Twine & Cordage Co., Xenia, O.
K. PAPER MAKERS' TWINE.	Elizabethport Cordage Co., Elizabethport, N. J.
	Thos. Jackson & Son, Reading, Pa.
	James Thompson & Co., Valley Falls, N. Y.
L. SEINE TWINE.	Gloucester Net & Twine Co., 94 Commercial St., Boston, Mass.
	Hadley Co., Holyoke, Mass.
	H. & G. W. Lord, 111 Commercial St., Boston, Mass.
	R. W. Lord & Co., Kennebunk, Me.
	Nashville Cotton Mills, Nashville, Tenn.
	New York Net & Twine Co., Moodus, Conn.
	Henry Pearce's Sons, 114 W. 2d St., Cincinnati, O.
	Ravine Mills Co., Vernon, Conn.

XII. EARTHENWARE.

325. ARTISTIC POTTERY.	Ceramic Art Co., Trenton, N. J.
	Goodwin Bros., Elmwood, Conn.
	Rookwood Pottery Co., Cincinnati, O.
	J. L. Taft & Co., Keene, N. H.
	Willets Mfg. Co., Trenton, N. J.
326. C. C. WARE.	Alpaugh & Magowan, Trenton, N. J.
	S. & W. Baggott, E. Liverpool, O.
	J. H. Baum, Wellsville, O.
	L. B. Beerbower & Co., Elizabeth, N. J.
	Beel Bros. & Co., Findlay, O.
	Edwin Bennett, Baltimore, Md.
	Brewer Pottery Co., Tiffin, O.
	Brockman Pottery Co., Cincinnati, O.
	Burgess & Co., E. Liverpool, O.
	Cartwright Bros., E. Liverpool, O.
	Chelsea China Co., New Cumberland, W. Va.
	Clark Bros. Pottery Co., Trenton, N. J.
	Crescent Pottery Co., Trenton, N. J.
	East Morrisania China Works, E. Morrisania, N. Y.
	East Trenton Pottery Co., Trenton, N. J.
	Fell & Throop Co., Trenton, N. J.
	Goodwin Bros., E. Liverpool, O.
	Griffin, Love & Co., Phœnixville, Pa.
	Harker Pottery Co., E. Liverpool, O.
	International Pottery Co., Trenton, N. J.
	Israel Lacy, Trenton, N. J.
	Homer Laughlin, E. Liverpool, O.
	Thos. Maddock & Sons, Trenton, N. J.
	Maryland Pottery Co., Baltimore, Md.
	Mayer Pottery Co., Beaver Falls, Pa.
	Geo. Morley & Son, E. Liverpool, O.
	John Moses, Trenton, N. J.
	New England Pottery Co., E. Boston, Mass.
	Onondaga Pottery Co., Syracuse, N. Y.
	Ott & Brewer, Trenton, N. J.
	Potters Co-operative Co., E. Liverpool, O.
	Rowe & Mountford, E. Liverpool, O.
	Geo. Scott & Sons, Cincinnati, O.
	Standard Co-operative Pottery Co., E. Liverpool, O.
	C. C. Thompson & Co., E. Liverpool, O.
	Vodrey & Bro., E. Liverpool, O.
	Wallace & Chetwynd, E. Liverpool, O.
	Wick China Co., Kittanning, Pa.
	John Wylie, E. Liverpool, O.

327. DECORATED CHINAWARE.

Edwin Bennett, Baltimore, Md.
Burroughs & Mountford Co., Trenton, N. J.
Cartwright Bros., E. Liverpool, O.
Crescent Pottery Co., Trenton, N. J.
East Trenton Pottery Co., Trenton, N. J.
Griffin, Love & Co., Phœnixville, Pa.
Wm. C. Hendrickson & Co., Trenton, N. J.
International Pottery Co., Trenton, N. J.
Knowles, Taylor & Knowles, E. Liverpool, O
Homer Laughlin, E. Liverpool, O.
Maryland Pottery Co., Baltimore, Md.
Mayer Pottery Co., Beaver Falls, Pa.
Mercer Pottery Co., Trenton, N. J.
Geo. Morley & Son, E. Liverpool, O.
John Moses, Trenton, N. J.
New England Pottery Co., E. Boston, Mass.
Ott & Brewer, Trenton, N. J.
Rookwood Pottery Co., Cincinnati, O.
Steubenville Pottery Co., Steubenville, O.
C. C. Thompson & Co., E. Liverpool, O.
Trenton China Co., Trenton, N. J.
Warwick China Co., Wheeling, W. Va.
West Virginia China Co., Wheeling, W. Va.
Wheeling Pottery Co , Wheeling, W. Va.
Willets Mfg. Co., Trenton, N. J.

328. DRUGGISTS' POTTERY.

L. B. Beerbower & Co., Elizabeth, N. J.
Brewer Pottery Co., Trenton, N. J.
Chesapeake Pottery Co., Baltimore, Md.
Edmands & Hooper, Charlestown, Mass.
John Moses, Trenton, N. J.
Oliphant & Co., Trenton, N. J.
Ott & Brewer, Trenton, N. J.

329. MAJOLICA.

Griffin, Love & Co., Phœnixville, Pa.
Joseph Mayer, Trenton, N. J.
Mayer Arsenal Pottery Co., Trenton, N. J.
Geo. Morley & Son, E. Liverpool, O.

330. P. G. WARE.

Warwick China Co., Wheeling, W. Va.
Willets Mfg. Co., Trenton, N. J.

331. PORCELAIN WARE.

Alpaugh & Magowan, Trenton, N. J.
Burroughs & Mountford Co., Trenton, N. J.
Ceramic Art Co., Trenton, N. J.
Greenwood Pottery Co., Trenton, N. J.
Knowles, Taylor & Knowles, E. Liverpool, O.
Homer Laughlin, E. Liverpool, O.
Onondaga Pottery Co., Syracuse, N. Y.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Rookwood Pottery Co., Cincinnati, O.
Trenton China Co., Trenton, N. J.
West Virginia China Co., Wheeling, W. Va.
Wheeling Pottery Co., Wheeling, W. Va.

332. POTTERY.

A. BEAN POTS.

Edmands & Hooper, Charlestown, Mass.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Red Wing Stoneware Co., Red Wing, Minn.
Wachusett Pottery, W. Sterling, Mass.

B. CARBOY CAPS.

John Moses, Trenton, N. J.
S. Switchell & Bros., 223 Vine St., Philadelphia, Pa.

C. FLOWER POTS.

Elverson, Sherwood & Barker, Ltd., New Brighton, Pa.
Thos. Haig, 973 N. 2d St., Philadelphia, Pa.
A. H. Hews, N. Cambridge, Mass.
J. E. Jeffords & Co., 2715 Edgmont St., Philadelphia, Pa.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Pittsburgh Clay Pot Co., Pittsburgh, Pa.
Red Wing Stoneware Co., Red Wing, Miss.

D. HEN FOUNTAINS.

Edmands & Hooper, Charlestown, Mass.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.

333. SANITARY POTTERY.

Alpaugh & Magowan, Trenton, N. J.
J. H. Baum Wellsville, O.
Crescent Pottery Co., Trenton, N. J.
Dale & Davis, Trenton, N. J.
Enterprise Pottery Co., Trenton, N. J.
Thos. Maddock & Sons, Trenton, N. J.
Mercer Pottery Co., Trenton, N. J.
Oliphant & Co., Trenton, N. J.
Trenton Sanitary Mfg. Co., Trenton, N. J.

Willets Mfg. Co., Trenton, N. J.

334. TOILET WARE.

Alpaugh & Magowan, Trenton, N. J.
Chesapeake Pottery Co., Baltimore, Md.
Thos. Maddock & Sons, Trenton, N. J.
Mercer Pottery Co., Trenton, N. J.
John Moses, Trenton, N. J.
New England Pottery Co., E. Boston, Mass.
Ott & Brewer, Trenton, N. J.
Willets Mfg. Co., Trenton, N. J.

335. TOY WARE.

Clark Bros. Pottery Co., Trenton, N. J.
Goodwin Bros., Elmwood, Conn.
Homer Laughlin, E. Liverpool, O.
Steubenville Pottery Co., Steubenville, O.

336. W. G. WARE.

Akron Stoneware Co., Akron, O.
Alpaugh & Magowan, Trenton, N. J.
S. & W. Baggott, E. Liverpool, O.
Bell Bros. & Co., Findlay, O.
Edwin Bennett, Baltimore, Md.
Brewer Pottery Co., Tiffin, O.
Brockman Pottery Co., Cincinnati, O.
Wm. Brunt, Son & Co., E. Liverpool, O.
Burgess & Co., E. Liverpool, O.
Burroughs & Mountford Co., Trenton, N. J.
Cartwright Bros., E. Liverpool, O.
Chelsea China Co., New Cumberland, W. Va.
Clark Bros. Pottery Co., Trenton, N. J.
Dale & Davis, Trenton, N. J.
East Morrisania China Works, E. Morrisania, N. Y.
East Trenton Pottery Co., Trenton, N. J.
Fell & Throop Co., Trenton, N. J.
Griffin, Love & Co., Phœnixville, Pa.
Harker Pottery Co., E. Liverpool, O.
International Pottery Co., Trenton, N. J.
Knowles, Taylor & Knowles, E. Liverpool, O.
Israel Lacy, Trenton, N. J.
Homer Laughlin, E. Liverpool, O.
Thos. Maddock & Sons, Trenton, N. J.
Maryland Pottery Co., Baltimore, Md.
Mayer Pottery Co., Beaver Falls, Pa.
Mercer Pottery Co., Trenton, N. J.
Geo. Morley & Son, E. Liverpool, O.
John Moses, Trenton, N. J.
E. Morton & Co., Bennington, Vt.
New England Pottery Co., E. Boston, Mass.
Onondaga Pottery Co., Syracuse, N. Y.
Ott & Brewer, Trenton, N. J.
Potters Co-operative Co., E. Liverpool, O.
Rowe & Mountford, E. Liverpool, O.
Geo. Scott, Cincinnati, O.
Somerset Potters Works, Somerset, Mass.
Standard Co-operative Pottery Co., E. Liverpool, O.
Steubenville Pottery Co., Steubenville, O.
C. C. Thompson & Co., E. Liverpool, O.
Vodrey & Bro., E. Liverpool, O.
Wallace & Chetwynd, E. Liverpool, O.
Warwick China Co., Wheeling, W. Va.
Wheeling Pottery Co., Wheeling, W. Va.
Wick China Co., Kittanning, Pa.
Willets Mfg. Co., Trenton, N. J.
John Wylie & Son, E. Liverpool, O.

337. YELLOW & ROCKINGHAM WARE.

Cartwright Bros., E. Liverpool, O.
Chelsea China Co., New Cumberland, W. Va.
Goodwin Bros., Elmwood, Conn.
C. C. Thompson & Co., E. Liverpool, O.

XIII. ELECTRICAL APPARATUS.

338. ACCUMULATORS, ELECTRIC.

C. G. Akam Mfg. Co., 22 Adams St., Chicago, Ill.
C. B. Arsino, Springfield, Mass.
Brush Electric Co., Cleveland, O.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
C. & C. Electric Motor Co., 402 Greenwich St., New York.
Detroit Electrical Works, Detroit, Mich.
Electrical Accumulator Co., 44 Broadway, New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Watson & Fillman, 20 E. 43d St., New York.

339. ANNUNCIATORS, ELECTRIC.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
W. R. Ostrander & Co., 195 Fulton St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.
J. F. Wollensak, Lake & Franklin Sts., Chicago, Ill.

340. BATTERIES.

A. BLASTING BATTERIES.
Ætna Powder Co., 95 Randolph St., Chicago, Ill.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Arthur Kirk & Son, Pittsburgh, Pa.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

B. CARBON BATTERIES.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Hubbell Portable E. L. Co., 35 Broadway, New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

C. CHLORIDE OF SILVER BATTERIES.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

D. DRY BATTERIES.
Crosby Electric Co., 87 S. 5th Av., New York.
Himmer & Anderson, 123 Chambers St., New York.

E. GRAVITY BATTERIES.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Gethius Electrical Mfg. Co., 620 Atlantic Av., Boston, Mass.
W. R. Ostrander & Co., 195 Fulton St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.

F. LE CLANCHÉ BATTERIES.
Le Clanché Battery Co., 149 W. 18th St., New York.

G. MEDICAL BATTERIES.
A. S. Aloe & Co., 415 N. Broadway, St. Louis, Mo.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Electro-Medical Battery Co., Kalamazoo, Mich.
Galvano-Faradic Mfg. Co., 300 4th Av., New York.
McIntosh Battery & Optical Co., 141 Wabash Av., Chicago, Ill.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
F. G. Otto & Sons, 126 Duane St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.

H. POCKET BATTERIES.
Electro-Medical Battery Co., Kalamazoo, Mich.
The E. S. Greeley & Co., 5 Dey St., New York.

341. BATTERY SUPPLIES.

A. BATTERY CELLS.
Butler Hard Rubber Co., 33 Mercer St., New York.
Composite Cell Co., Brooklyn, N. Y.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Goodrich Hard Rubber Co., Akron, O.
India Rubber Comb Co., 9 Mercer St., New York.
J. E. Jeffords & Co., Philadelphia, Pa.
New England Pottery Co., E. Boston, Mass.
Rodefer Bros., Bellaire, O.
Salem Glass Works, Salem, N. J.

B. BATTERY CLAMPS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fred'k Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

C. BATTERY ZINCS.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Coe Brass Mfg. Co., Torrington, Conn.
F. L. Gaylord & Co., Ansonia, Conn.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
St. Paul Brass Works, St. Paul, Minn.
The E. S. Greeley & Co., 5 Dey St., New York.

D. POROUS CUPS.

New England Pottery Co., E. Boston, Mass.

342. BELLS, ELECTRIC.

Barton Bell Co., Marion, Ind.
Bridgeport Brass Co., Bridgeport, Conn. *27
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Gong Bell Mfg. Co., East Hampton, Conn.
Knapp Electrcial Works, 54 Franklin St., Chicago, Ill.
New Haven Clock Co., New Haven, Conn.
Novelty Electric Co., 50 N. 4th St., Philadelphia, Pa.
W. R. Ostrander & Co., 195 Fulton St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
J. Elliott Shaw & Co., 632 Arch St., Philadelphia, Pa.
Standard Electrical Works, 161 W. Pearl St., Cincinnati, O.
The E. S. Greeley & Co., 5 Dey St., New York.
Viaduct Mfg. Co., Baltimore, Md.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
J. F. Wollensak, Lake & Franklin Sts., Chicago, Ill.

343. BURGLAR ALARMS, ELECTRIC.

Detroit Electrical Works, Detroit, Mich.
Midland Electric Co., Omaha, Neb.
New Haven Clock Co., New Haven, Conn.
Novelty Electric Co., 50 N. 4th St., Philadelphia, Pa.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Pittsburgh Electric Co., Pittsburgh, Pa.
J. Elliott Shaw & Co., 632 Arch St., Philadelphia, Pa.
Standard Electrical Works, 161 W. Pearl St., Cincinnati, O.
The E. S. Greeley & Co., 5 Dey St., New York.
Vassar Burglar Alarm Mfg. Co., 56 Warren St., New York.

344. CABLES, ELECTRIC.

American Electrical Works, Providence, R. I.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Chadwick Lead Works, 176 High St., Boston, Mass.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
Alfred F. Moore, 200 N. 3d St., Philadelphia, Pa.
New York Insulated Wire Co., 649 Broadway, New York.
Pittsburgh Electric Co., Pittsburgh, Pa.
Safety Insulated Wire & Cable Co., 234 W. 29th St., New York.
Standard Underground Cable Co., Pittsburgh, Pa.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

345. CARBON DYNAMO BRUSHES.

Standard Carbon Co., Cleveland, O.

346. CARBONS.

A. BATTERY CARBONS.

Brush Electric Co., Cleveland, O.
Fidelity Carbon Mfg. Co., St. Louis, Mo.
National Carbon Co., Cleveland, O.
New York Carbon Works, 18 Cortlandt St., New York.
Parker-Russell Min. & Mfg. Co., 407 N. B'way, St. Louis, Mo.
Pittsburgh Electric Co., Pittsburgh, Pa.
Solar Carbon Mfg. Co., Pittsburgh, Pa.
Standard Carbon Co., Cleveland, O.

B. ELECTRIC LIGHT CARBONS.

Brush Electric Co., Cleveland, O.
Faraday Carbon Co., Pittsburgh, Pa.
Fidelity Carbon Mfg. Co., St. Louis, Mo.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
National Carbon Co., Cleveland, O.
Solar Carbon & Mfg. Co., Pittsburgh, Pa.
Standard Carbon Co., Cleveland, O.

347. COMMUTATORS, MERCURY.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Electric Mfg. Co., Troy, N. Y.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

348. CONDENSERS, ELECTRIC.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg. Co., Troy, N. Y.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.

The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

349. CONDUITS, ELECTRICAL.

Bishop Gutta Percha Co., 42 E. 25th St., New York.
Carolina Oil & Creosote Co., Wilmington, Del.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.

350. CONVERTERS, INDUCTION COIL.

Brush Electric Co., Cleveland, O.
Fort Wayne Electric Co., Fort Wayne, Ind.
Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.

351. CORES, ARMATURE & MAGNET.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Automatic Machine Screw Co., Elyria, O.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

352. CUT-OUTS & PLUGS.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Schuyler Electric Co., Middletown, Conn.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

A. CUT-OUTS, AUTOMATIC.

Automatic Clock Co., Syracuse, N. Y.

353. DOOR-OPENERS, ELECTRIC.

A. L. Bogart, 29 Union Sq., New York.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

354. DOOR-RINGERS, MAGNETO.

Detroit Electrical Works, Detroit, Mich.

355. ELECTRIC WELDING APPARATUS.

Thomson Electric Welding Co., Lynn, Mass.

356. ELECTRO MAGNETIC MACHINES, POCKET.

F. G. Otto & Sons, 126 Duane St., New York.

357. ELECTROMETERS.

Edison Gen. Electric Co., Edison Building, Broad St., N. Y. *256
Electric Mfg. Co., 125 Clark St., Troy, N. Y.
The E. S. Greeley & Co., 5 Dey St., New York.

358. FIRE ALARMS, ELECTRIC.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Gamewell Fire Alarm Telegraph Co., 1½ Barclay St., New York.
Gaynor Electric Co., Louisville, Ky.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
Midland Electric Co., Omaha, Neb.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
Standard Electrical Works, 161 W. Pearl St., Cincinnati, O.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

A. FIRE ALARM BOXES.

Detroit Electrical Works, Detroit, Mich.
Gamewell Fire Alarm Telegraph Co., 1½ Barclay St., New York.
Gaynor Electric Co., Louisville, Ky.

359. FLEXIBLE CORDS, ELECTRIC.

American Electrical Works, Providence, R. I.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Bridgeport Brass Co., Bridgeport, Conn. *27
Edison Gen. Electric Co., Edison Building, Broad St., N. Y. *256
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Alfred F. Moore, 200 N. 32d St., Philadelphia, Pa.
Ossawan Mills Co., Norwich, Conn. *65

360. GALVANOMETERS.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Electric Mfg. Co., Troy, N. Y.
Hawkeye Electric Mfg. Co., Davenport, Iowa.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

361. GONGS, ELECTRIC.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg. Co., Troy, N. Y.
W. R. Ostrander & Co., 195 Fulton St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65

The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

362. GRAPHOPHONES. American Graphophone Co., 10 Wall St., New York.

363. INSTRUMENTS, ELECTRICAL.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Edison Gen. Electrical Co., Edison Building, Broad St., N. Y. *256
Electric Mfg. Co., Troy, N. Y.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
Mather Electric Co., Manchester, Conn.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

364. INSULATING COMPOUND.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Standard Paint Co., 2 Liberty St., New York.
Vulcanized Fibre Co., Wilmington, Del.

365. INSULATORS.

A. COMPOSITION INSULATORS. Duralite Mfg. Co., Boston, Mass.

B. GLASS INSULATORS. W. Brookfield, 83 Fulton St., New York.
Wormser Glass Co., Pittsburgh, Pa.

C. LAVA INSULATORS. D. M. Steward Mfg. Co., Chattanooga, Tenn.

D. PORCELAIN INSULATORS. H. Brunt & Son, E. Liverpool, O.
Greenwood Pottery Co., Trenton, N. J.
R. Thomas & Sons, E. Liverpool, O.
Union Porcelain Works, Brooklyn, N. Y.

E. RUBBER HOOK INSULATORS. Butler Hard Rubber Co., 33 Mercer St., New York.
Goodrich Hard Rubber Co., Akron, O.
India Rubber Comb Co., 9 Mercer St., New York.

F. TREE INSULATORS. Simplex Electrical Co., 62 Atlantic Av., Boston, Mass.

366. MAGNETO MACHINES. Detroit Electrical Works, Detroit, Mich.
Viaduct Mfg. Co., Baltimore, Md.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

367. MAGNETS, HORSESHOE.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg. Co., Troy, N. Y.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

368. METERS, ELECTRIC. Card Electric Motor & Dynamo Co., 2d & Plum Sts., Cin., O.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256

A. ALTERNATING CURRENT METERS. Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.

B. AMPERE METERS. Bergmann Electric & Gas Fixture Co., 79 5th Av., New York.
Detroit Electric Works, Detroit, Mich.
Ft. Wayne Electric Light Co., Ft. Wayne, Ind.
Hawkeye Electric Mfg. Co., Davenport, Iowa.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
J. W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Schuyler Electric Co., Middletown, Conn.
Weston Electrical Instrument Co., Newark, N. J.

C. VOLT METERS. Bergmann Electric & Gas Fixture Co., 79 5th Av., New York.
Ft. Wayne Electric Light Co., Ft. Wayne, Ind.
Hawkeye Electric Mfg. Co., Davenport, Iowa.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Jos. W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Weston Electrical Instrument Co., Newark, N. J.

369. PENS, ELECTRIC. Detroit Electrical Works, Detroit, Mich.
Midland Electric Co., Omaha, Neb.

370. PHONOGRAPHS. North American Phonograph Co., 10 Wall St., New York.

371. POLICE ALARM APPARATUS.
Gaynor Electric Co., Louisville, Ky.
Novelty Electric Co., 50 N. 4th St., Philadelphia, Pa.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

372. PORCELAIN WARE, ELECTRIC.
H. Brunt & Sons, E. Liverpool, O.
R. Thomas & Sons, E. Liverpool, O.
Union Porcelain Works, 300 Eckford St., Brooklyn, N. Y.

373. PUSH BUTTONS. Branford Lock Works, Branford, Conn. *230–9

P. & F. Corbin, New Britain, Conn.
Detroit Electrical Works, Detroit, Mich.
Low Art Tile Co., Chelsea, Mass.
Midland Electric Co., Omaha, Neb.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Sargent & Co., New Haven, Conn.
J. Elliott Shaw & Co., 632 Arch St., Philadelphia, Pa.
J. S. Spencer's Sons, Guilford, Conn.
The E. S. Greeley & Co., 5 Dey St., New York.

374. REGISTERS, ELECTRIC.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
W. & L. E. Gurley, Troy, N. Y.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

375. REPEATING SETS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Randolph St., Chicago, Ill.

376. RESISTANCE BOXES.
Bergmann Electric & Gas Fixture Co., 79 5th Av., New York.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 7 Dey St., New York.

377. RESISTANCE COILS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg. Co., Troy, N. Y.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

378. RHEOSTATS.
J. H. Bunnell & Co., 67 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

379. STANDARD UNITS, ELECTRICAL.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Electric Mfg. Co., Troy, N. Y.
Johns Hopkins University, Baltimore, Md.

380. SUPPLIES, ELECTRICAL.
Detroit Electrical Works, Detroit, Mich.
Ft. Wayne Electric Co., Ft. Wayne, Ind.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Frederick Pearce, 79 John St., New York.
J. Elliott Shaw & Co., 632 Arch St., Philadelphia, Pa.
Standard Electrical Works, 161 W. Pearl St., Cincinnati, O.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

381. SWITCHES, ELECTRIC.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Card Electric Motor & Dynamo Co., 2d & Plum Sts., Cincinnati, O.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg. Co., Troy, N. Y.
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Frederick Pearce, 79 John St., New York.
Sperry Elec. Min. Mach. Co., 39th St. & Stewart Av., Chicago, Ill.
The E. S. Greeley & Co., 5 Dey St., New York.
Turner Electrical Mfg. Co., New Bedford, Mass.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

A. SWITCH HANDLES.
Butler Hard Rubber Co., 33 Mercer St., New York.
Goodrich Hard Rubber Co., Akron, O.
India Rubber Comb Co., 9 Mercer St., New York.

382. SWITCH BOARDS.

A. TELEGRAPH SWITCH BOARDS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

B. TELEPHONE SWITCH BOARDS.
Detroit Electrical Works, Detroit, Mich.
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Law Telephone Co., 18 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

383. TAPES, INSULATING.
Boston Rubber Shoe Co., 245 Causeway St., Boston, Mass.

Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.
Edison General Elec. Co., Edison Bldg., Broad St., N. Y. *256
Simplex Electrical Co., 328 Washington St., Boston, Mass.

384. TELEGRAPH APPARATUS.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg., Co., Troy, N. Y.
Midland Electric Co., Omaha, Neb.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Frederick Pearce, 79 John St., New York.
Standard Electrical Works, 161 W. Pearl St., Cincinnati, O.
The E. S. Greeley & Co., 5 Dey St., New York.
Viaduct Mfg. Co., Baltimore, Md.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

385. TELEGRAPH SUPPLIES.

A. DISTRICT CALL BOXES.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Viaduct Mfg. Co., Baltimore, Md.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

B. INSULATOR PINS.
Jas. Baldwin Co., Manchester, N. H.
Geo. R. Butler & Co., Sandusky, O.
Gillaland Electric Co., Adrian, Mich.
John Sommer's Son, Newark, N. J.

C. KEY KNOBS.
Butler Hard Rubber Co., 33 Mercer St., New York.
Goodrich Hard Rubber Co., Akron, O.
India Rubber Comb Co., 9 Mercer St., New York.

386. TELEPHONES.

A. ACOUSTIC TELEPHONES.
Elgin Telephone & Electric Supply Co., Elgin, Ill.
Wm. Hubbard, Elgin, Ill.
National Telephone Mfg. Co., 620 Atlantic Av., Boston, Mass.
Pulsion Telephone Co., 199 Washington St., Boston, Mass.
Shaver Corporation, 78 Cortlandt St., New York.

B. ELECTRIC TELEPHONES.
American Bell Telephone Co., 125 Milk St., Boston, Mass.

387. TELEPHONE SUPPLIES.

A. INDUCTION COILS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
E. S. Ritchie & Sons, Brookline, Mass.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

B. LIGHTNING ARRESTERS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Electric Mfg. Co., Troy, N. Y.
C. McIntire Co., Newark, N. J.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Fredk. Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

C. MAGNETO CALL BELLS.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Partrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Viaduct Mfg. Co., Baltimore, Md.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

D. TELEPHONE BELLS.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Bridgeport Brass Co., Bridgeport, Conn. *27
Plume & Atwood Mfg. Co., Waterbury, Conn.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

E. TELEPHONE RECEIVER CASES.
Butler Hard Rubber Co., 33 Mercer St., New York.
Goodrich Hard Rubber Co., Akron, O.
India Rubber Comb Co., 9 Mercer St., New York.

388. WATCHMEN'S STATION BOXES.

E. Howard Watch & Clock Co., 383 Washn. St., Boston, Mass.
New Haven Clock Co., New Haven, Conn.

389. WIRE, ELECTRICAL.

A. ELECTRIC HOUSE WIRE.
American Electrical Works, Providence, R. I.
Ansonia Brass & Copper Co., Ansonia, Conn *211
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Bridgeport Brass Co., Bridgeport, Conn. *27
Edison General Elect. Co., Edison Bldg., Broad St., N. Y. *256
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
A. F. Moore, 200 N. 3d St., Philadelphia, Pa.

	Ossawan Mills Co., Norwich, Conn.	*65
	Pittsburgh Electric Co., Pittsburgh, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Safety Insulated Wire & Cable Co., 234 W. 29th St., New York.	
	Standard Underground Cable Co., Pittsburgh, Pa.	
B. ELECTRIC LIGHT WIRE.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	American Electrical Works, Providence, R. I.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bishop Gutta Percha Co., 422 E. 25th St., New York.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Knapp Electrical Works, 54 Franklin St., Chicago, Ill.	
	Alfred F. Moore, 200 N. 3d St., Philadelphia, Pa.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Western Electric Co., 227 S. Clinton St., Chicago, Ill.	
C. INSULATED WIRE.	American Electrical Works, Providence, R. I.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bishop Gutta Percha Co., 422 E. 25th St., New York.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Detroit Electrical Works, Detroit, Mich.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Alfred F. Moore. 200 N. 3d St., Philadelphia, Pa.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Phillips Insulated Wire Co., Pawtucket, R. I.	
	John A. Roebling's Sons, Co., Trenton, N. J.	
	Simplex Electrical Co., 620 Atlantic Av., Boston, Mass.	
	Standard Underground Cable Co., Pittsburgh, Pa.	
	Western Electric Co., 227 S. Clinton St., Chicago, Ill.	
D. LEAD ENCASED WIRE.	American Electrical Works, Providence, R. I.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Tatham & Bros., 226 S. 5th St., Philadelphia, Pa.	
E. LEADING & CONNECTING WIRES.	American Electrical Works, Providence, R. I.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bishop Gutta Percha Co., 422 E. 25th St., New York.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Alfred F. Moore, 200 N. 3d St., Philadelphia, Pa.	
	Simplex Electrical Co., 628 Atlantic Av., Boston, Mass.	
	Western Electric Co., 227 S. Clinton St., Chicago, Ill.	
F. KERITE WIRE.	Austin G. Day, Seymour, Conn.	
G. MAGNET WIRE.	American Electrical Works, Providence, R. I.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bishop Gutta Percha Co., 422 E. 25th St., New York.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edison Genl. Electric Co , Edison Bldg., Broad St., N. Y.	*256
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Alfred F. Moore, 200 N. 3d St., Philadelphia, Pa.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Western Electric Co., 227 S. Clinton St., Chicago, Ill.	
H. TELEGRAPH WIRE.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bishop Gutta Percha Co., 422 E. 25th St., New York.	
	Bridgeport Brass Co., Bridgeport. Conn.	*27
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Hazard Mfg. Co., Wilkesbarre, Pa.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	McCosh Iron & Steel Co., Burlington, Iowa.	
	Alfred F. Moore, 200 N. 3d St., Philadelphia, Pa.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Phosphor Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Trenton Iron Co., Trenton, N. J.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Western Electric Co., 227 S. Clinton St., Chicago, Ill.	

XIV. FIREARMS, AMMUNITION AND EXPLOSIVES.

390. CANNON.	Bethlehem Iron Co., Bethlehem, Pa.
	South Boston Iron Works, 57 Foundry St., Boston, Mass.
A. PNEUMATIC DYNAMITE GUNS.	Pneumatic Dynamite Gun Co., 71 Broadway, New York.
B. YACHT CANNON.	R. H. Brown & Co., New Haven, Conn.
	Jas. Gregory, 106 Cannon St., New York.
	Strong Fire Arms Co., New Haven, Conn.
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
391. CAPS.	
A. BLASTING CAPS.	American Flash & Cap Co., Waterbury, Conn.
	California Cap Co., San Francisco, Cal.
B. CAP NIPPERS.	Hercules Powder Co., Cleveland, O.
C. PERCUSSION CAPS.	Detwiller & Street Firewks. Mfg. Co., 172 Fulton St., New York.
	Union Metallic Cartridge Co., Bridgeport, Conn.
	Wallace & Sons, Ansonia, Conn.
	Waterbury Brass Co., Waterbury, Conn.
	Theo. Wehle, 32 Liberty St., New York.
392. CARBINES.	Remington Arms Co., Ilion, N. Y.
	Winchester Repeating Arms Co., New Haven, Conn.
393. CARTRIDGES.	
A. METALLIC CARTRIDGES.	American Metallic Cartridge Co., Coventry, Conn.
	Phœnix Metallic Cartridge Co., S. Coventry, Conn.
	Standard Cartridge Co., 62 Wabash Av., Chicago, Ill.
	Union Metallic Cartridge Co., Bridgeport, Conn.
	U. S. Cartridge Co., Lowell, Mass.
	Winchester Repeating Arms Co., New Haven, Conn.
B. SHOT GUN CARTRIDGES.	American Metallic Cartridge Co., Coventry, Conn.
	Chamberlain Cartridge Co., Cleveland, O.
	Peters Cartridge Co., 3 W. 3d St., Cincinnati, O.
	Union Metallic Cartridge Co., Bridgeport, Conn.
	Von Lengerke & Detmold, 8 Murray St., New York.
	Wallace & Sons, Ansonia, Conn.
	Winchester Repeating Arms Co., New Haven, Conn.
394. DYNAMITE.	Ætna Powder Co., 95 Randolph St., Chicago, Ill.
	Atlantic Dynamite Co., San Francisco, Cal.
	California Powder Works, San Francisco, Cal.
	Climax Powder Mfg. Co., Cameron, Pa.
	Dixie Dynamite Co., Chattanooga, Tenn.
	Fairfield Chemical Works, 71 Wall St., New York.
	Great Western Powder Co., Toledo, O.
	Hecla Powder Co., 239 Broadway, New York.
	Hercules Powder Co., Cleveland, O.
	Laflin & Rand Powder Co., 29 Murray St., New York.
	Repauno Chemical Co., Wilmington, Del.
	Standard Explosives Co., Ltd., 239 Broadway, New York.
	U. S. Dynamite Co., 38 Platt St., New York.
395. FIRE ARMS.	
A. BALLARD RIFLES.	Marlin Fire Arms Co., New Haven, Conn.
B. BREECH-LOADING SHOT GUNS.	Billings & Spencer Co., Hartford, Conn. *103
	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	Forehand Arms Co., Worcester, Mass. *58
	John P. Lovell Arms Co., 147 Washington St., Boston, Mass.
	Parker Bros., Meriden, Conn.
	Remington Arms Co., Ilion, N. Y
	Winchester Repeating Arms Co., New Haven, Conn.
C HAMMERLESS SHOT GUNS.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	Forehand Arms Co., Worcester, Mass. *58
	Harrington & Richardson Arms Co., Worcester, Mass.
	John P. Lowell Arms Co., 147 Washington St., Boston, Mass.
	Parker Bros., Meriden, Conn.
	Whitney Safety Fire Arms, Florence, Mass. *157
	Winchester Repeating Arms Co., New Haven, Conn.
D. MILITARY RIFLES.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	Remington Arms Co., Ilion, N. Y.
	Winchester Repeating Arms Co., New Haven, Conn.
E. REPEATING RIFLES.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	Marlin Fire Arms Co., New Haven, Conn.
	Remington Arms Co., Ilion, N. Y.

	Winchester Repeating Arms Co., New Haven, Conn.	
F. REPEATING SHOT GUNS.	Winchester Repeating Arms Co., New Haven, Conn.	
G. RIFLES.	Billings & Spencer Co., Hartford, Conn.	*103
	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
	Marlin Fire Arms Mfg. Co., New Haven, Conn.	
	Massachusetts Arms Co., Chicopee Falls, Mass.	*176
	Remington Arms Co., Ilion, N. Y.	
	J. Stevens Arms & Tool Co., Chicopee Falls, Mass.	
	Strong Fire Arms Co., New Haven, Conn.	
	Winchester Repeating Arms Co., New Haven, Conn.	
H. SHOOTING MATCH RIFLES.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
	Remington Arms Co., Ilion, N. Y.	
I. SHOT GUNS.	R. H. Brown & Co., New Haven, Conn.	
	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
	Forehand Arms Co., Worcester, Mass.	*58
	Gardner Gun Co., Cleveland, O.	
	Hunter Arms Co., Fulton, N. Y.	
	Ithaca Gun Co., Ithaca, N. Y.	
	John P. Lovell Arms Co., 147 Washington St., Boston, Mass.	
	Massachusetts Arms Co., Chicopee Falls, Mass.	*176
	Remington Arms Co., Ilion, N. Y.	
	J. Stevens Arms & Tool Co., Chicopee Falls, Mass.	
J. SPANISH RIFLES.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
	Remington Arms Co., Ilion, N. Y.	
K. SPORTING RIFLES.	Massachusetts Arms Co., Chicopee Falls, Mass.	*176
	Remington Arms Co., Ilion, N. Y.	
	Winchester Repeating Arms Co., New Haven, Conn.	
396. FUSE.		
A. BLASTING FUSE.	Atlantic Dynamite Co., San Francisco, Cal.	
	Climax Fuse Co., Avon, Conn.	
	Ensign, Bickford & Co., Simsbury, Conn.	
	Hecla Powder Co., 239 Broadway, New York.	
	Hercules Powder Co., 40 Prospect St., Cleveland, O.	
	Metallic Cap Co., 35 Broadway, New York.	
	Rendrock Powder Co., 23 Park Place, New York.	
	Repauno Chemical Co., Wilmington, Del.	
	San Francisco Fuse Mfg. Co., Melrose, Cal.	
B. ELECTRIC FUSE.	Atlantic Dynamite Co., San Francisco, Cal.	
	Hercules Powder Co., 40 Prospect St., Cleveland, O.	
C. GUTTA PERCHA FUSE.	Hercules Powder Co., Cleveland, O.	
D. IGNITING TAPES.	A. S. Henn & Co., New Haven, Conn.	
E. PLATINUM FUSE.	Hercules Powder Co., Cleveland, O.	
F. SAFETY FUSE.	Climax Fuse Co., Avon, Conn.	
	Ensign, Bickford & Co., Simsbury, Conn.	
	Hecla Powder Co., 239 Broadway, New York.	
	Laflin & Rand Powder Co., 29 Murray St., New York.	
G. WATERPROOF FUSE.	Climax Fuse Co., Avon, Conn.	
	Hecla Powder Co., 239 Broadway, New York.	
397. GUN IMPLEMENTS.		
A. BULLET MOULDS.	Ideal Mfg. Co., New Haven, Conn.	
B. GUN CLEANING TOOLS.	American Gun Implement Co., New Haven, Conn.	
	Bridgeport Gun Implement Co., Bridgeport, Conn.	
	Ideal Mfg. Co., New Haven, Conn.	
	Parker Bros., Meriden, Conn.	
	Union Hardware Co., Torrington, Conn.	
C. RELOADING TOOLS.	Bridgeport Gun Implement Co., Bridgeport, Conn.	
	Chamberlain Cartridge Co., Cleveland, O.	
	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
	Ideal Mfg. Co., New Haven, Conn.	
	Marlin Fire Arms Co., New Haven, Conn.	
	Parker Bros., Meriden, Conn.	
	Peters Cartridge Co., 3 W. 3d St., Cincinnati, O.	
	Remington Arms Co., Ilion, N. Y.	
	Waterbury Brass Co., Waterbury, Conn.	
	Winchester Repeating Arms Co., New Haven, Conn.	
398. GUN PARTS.		
A. FIRE ARM SIGHTS.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
	Ideal Mfg. Co., New Haven, Conn.	
	Wm. Lyman, Middlefield, Conn.	
	Marlin Fire Arms Co., New Haven, Conn.	
	Merwin, Hulbert & Co., 26 W. 23d St., New York.	
	Remington Arms Co., Ilion, N. Y.	
	Winchester Repeating Arms Co., New Haven, Conn.	
B. GUN RODS.	E. W. Phelps, Westfield, Mass.	
C. GUN TUBES.	Higgins & Son, West Chesterfield, Mass.	
399. GUN WADS.	Peters Cartridge Co., 8 W. 3d St., Cincinnati, O.	

Union Metallic Cartridge Co., Bridgeport, Conn.
Wallace & Sons, Ansonia, Conn.
Waterbury Brass Co., Waterbury, Conn.
Winchester Repeating Arms Co., New Haven, Conn.

400. NAVAL TORPEDOES.
E. W. Bliss & Co., 128 Front St., Brooklyn, N. Y.

401. NITRO-GLYCERINE.
Dittmar Powder Works, 72 E. 108th St., New York.
Hecla Powder Co., 239 Broadway, New York.
Hercules Powder Co., Cleveland, O.

402. PISTOLS.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Harrington & Richardson Arms Co., Worcester, Mass.
Hopkins & Allen Mfg. Co., Norwich, Conn.
John P. Lovell Arms Co., 147 Washn. St., Boston, Mass.
Remington Arms Co., Ilion, N. Y.
J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

A. DERRINGERS.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Merwin, Hulbert & Co., 26 W. 23d St., New York.
Remington Arms Co., Ilion, N. Y.

B. HAMMERLESS REVOLVERS.
Forehand Arms Co., Worcester, Mass. *58

C. REVOLVERS.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Forehand Arms Co., Worcester, Mass. *58
Harrington & Richardson Arms Co., Worcester, Mass.
Hopkins & Allen Mfg. Co., Norwich, Conn.
John P. Lovell Arms Co., 147 Washn. St., Boston, Mass.
Marlin Fire Arms Co., New Haven, Conn.
Merwin, Hulbert & Co., 26 W. 23 St., New York.
Remington Arms Co., Ilion, N. Y.
Otis A. Smith, Rock Fall, Conn.
Smith & Wesson, Springfield, Mass. *59

403. POWDER.
American Powder Mills, Dallas, Tex.
Atlantic Dynamite Co., San Francisco, Cal.
Austin Powder Co., Cleveland, O.
California Powder Works, San Francisco, Cal.
E. I. Du Pont & Co., Wilmington, Del.
Hazard Powder Co., 63 Pine St., New York. *60
Hercules Powder Co., 40 Prospect St., Cleveland, O.
Great Western Powder Co., Toledo, O.
King's Powder Co., King's Mills, Ohio.
Laflin & Rand Powder Co., 29 Murray St., New York.
Marcellus Powder Co., Syracuse, N. Y.
Miami Powder Co., Xenia, O.
Moosic Powder Co., Scranton, Pa.
Ohio Powder Co., Youngstown, O.
Oriental Powder Mills, 13 Broad St., Boston, Mass.
Phœnix Powder Mfg. Co., 280 Broadway, New York.
Repauno Chemical Co., Wilmington, Del.
Sycamore Powder Mfg. Co., Nashville, Tenn.

A. BLASTING POWDER.
Ætna Powder Co., 95 Randolph St., Chicago, Ill.
American Forcite Powder Mfg. Co., 1 Broadway, New York.
American Powder Mills, Dallas, Tex.
Atlantic Dynamite Co., San Francisco, Cal,
California Powder Works, San Francisco, Cal.
Climax Powder Mfg. Co., Cameron Co., Pa.
Consumers Powder Co., Scranton, Pa.
Dittmar Powder Works, 72 E. 108th St., New York.
Fairfield Chemical Works, 71 Wall St., New York.
Great Western Powder Co., Toledo, O.
Hazard Powder Co., 63 Pine St., New York. *60
Hecla Powder Co., 239 Broadway, New York.
Home Powder Co., Denver, Col.
King Powder Co., 3d & Main Sts., Cincinnati, O.
Laflin & Rand Powder Co., 29 Murray St., New York.
Miami Powder Co., Xenia, O.
Phœnix Powder Mfg. Co., 280 Broadway, New York.
Rendrock Powder Co., 23 Park Place, New York.
Repauno Chemical Co., Wilmington, Del.
U. S. Dynamite Co., 38 Platt St., New York.

B. GUNPOWDER.
Ætna Powder Co., 95 Randolph St., Chicago, Ill.
California Powder Works, San Francisco, Cal.
Dittmar Powder Works, 72 E. 108th St., New York.
E. I. Du Pont & Co., Wilmington, Del.
Hazard Powder Co., 63 Pine St., New York. *60
King Powder Co., 3d & Main Sts., Cincinnati, O.
Laflin & Rand Powder Co., 29 Murray St., New York.
Miami Powder Co., Xenia, O.
Oriental Powder Mills, 13 Broad St., Boston, Mass.
Phœnix Powder Mfg. Co., 280 Broadway, New York.

	Repauno Chemical Co., Wilmington, Del.
	Von Lengerke & Detmold, 8 Murray St., New York.
404. RAPID FIRE GUNS.	
A. DRIGGS-SCHROEDER GUNS.	Wm. Cramp & Sons, Beach & Ball Sts., Philadelphia, Pa.
B. REVOLVING GUNS.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	Pratt & Whitney Co., Hartford, Conn.
405. SHOT.	American Shot & Lead Co., 947 The Rookery, Chicago, Ill.
	Bailey, Farrell & Co., Pittsburgh, Pa.
	Wm. G. Price Co., Pittsburgh, Pa.
	Selby Smelting & L. Co., 416 Montgomery St., San Francisco, Cal.
	Thos. W. Sparks, 121 Walnut St., Philadelphia, Pa.
	Tatham & Bros., 226 S. 5th St., Philadelphia, Pa.
	Wythe Lead & Zinc Mine Co., Austinville, Va.
A. BUCK SHOT.	American Shot & Lead Co., 947 The Rookery, Chicago, Ill.
	Colwell Lead Co., 63 Centre St., New York.
	Gulf Shot & Lead Works, New Orleans, La.
	Raymond Lead Co., 51 W. Lake St., Chicago, Ill.
	Selby Smelting & L. Co., 418 Montgomery St., San Francisco, Cal.
	Wythe Lead & Zinc Mine Co., Austinville, Va.
B. CHILLED SHOT.	American Shot & Lead Co., 947 The Rookery, Chicago, Ill.
	Colwell Lead Co., 63 Centre St., New York.
	Raymond Lead Co., 51 W. Lake St., Chicago. Ill.
	B. C. & R. A. Tilghman, 1118 S. 11th St., Philadelphia, Pa.
C. STEEL SHOT.	Simonds Mfg. Co., Fitchburg, Mass.
406. SHOT SHELLS.	
A. BRASS SHOT SHELLS.	Union Metallic Cartridge Co., Bridgeport, Conn.
	United States Cartridge Co., Lowell, Mass.
	Wallace & Son, Ansonia, Conn.
	Winchester Repeating Arms Co., New Haven, Conn.
B. PAPER SHOT SHELLS.	Union Metallic Cartridge Co., Bridgeport, Conn.
	Wallace & Son, Ansonia, Conn.
	Winchester Repeating Arms Co., New Haven, Conn.
407. OIL WELL TORPEDOES.	Hercules Powder Co., Cleveland, O.

XV. FURNITURE.

408. BEDDING.	
A. CORK MATTRESSES.	Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.
B. FEATHER BEDS.	Bloom & Godley, Trenton, N. J.
	Cold Blast Feather Co., 56 Van Buren St., Chicago, Ill.
	Chas. P. Rogers & Co., 266 Sixth Av., New York.
C. MATTRESSES, AIR.	Tyer Rubber Co., Andover, Mass.
	World's Air Mattress & Cush. Co., 93½ Summer St., Boston, Mass.
D. MATTRESSES, COTTON.	Dubuque Mattress Factory, Dubuque, Iowa.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
E. MATTRESSES, EXCELSIOR.	Bagby & Rivers, Baltimore, Md.
	Carmon & Schmidt Mfg. Co., Des Moines, Iowa.
	Michael Clune, Indianapolis, Ind.
	B. Fitch & Co., 61 Fourth Av., New York.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
	Geo. Heyman, 105 Mott St., New York.
	T. B. Laycock Mfg. Co., Indianapolis, Ind.
	H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
	Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
	Alex. H. Revell & Co., Cor. 5th Av. & Randolph St., Chicago, Ill.
	Chas. P. Rogers & Co., 266 Sixth Av., New York.
	Sioux City Mattress Co., Sioux City, Iowa.
F. MATTRESSES, FELT.	Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.
G. MATTRESSES, FIBRE.	Grand Rapids Mattress Co., Grand Rapids, Mich.
H. MATTRESSES, HAIR.	Dubuque Mattress Factory, Dubuque, Iowa.
	Glover & Willcomb, 36 Canal St., Boston, Mass.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
	Frank A. Hall, 168 Centre St., New York.
	H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
	Alex. H. Revell & Co., Cor. 5th Av. & Randolph St., Chicago, Ill.
	G. W. Sammet & Son, 154 Hanover St., Boston, Mass.
	Sioux City Mattress Co., Sioux City, Iowa.

	Union Wire Mattress Co., 73 Erie St., Chicago, Ill.
I. MATTRESSES, HUSK.	Grand Rapids Mattress Co., Grand Rapids, Mich.
	Geo. Heyman, 105 Mott St., New York.
	Alex. H. Revell & Co., Cor. 5th Av. & Randolph St., Chicago. Ill.
	Sioux City Mattress Co., Sioux City, Iowa.
J. MATTRESSES, MOSS.	Dubuque Mattress Factory, Dubuque, Iowa.
	Geo. Heyman, 105 Mott St., New York.
	Alex. H. Revell & Co., Cor. 5th Av. & Randolph St., Chicago, Ill.
	Sioux City Mattress Co., Sioux City, Iowa.
K. MATTRESSES, PALM.	Grand Rapids Mattress Co., Grand Rapids, Mich.
L. MATTRESSES, WIRE.	A. Ainslie, Driggs & Guernsey Sts., Brooklyn, N. Y.
	G. W. Bent & Co., 10 Charlestown St., Boston, Mass.
	Burlington Wire Mattress Co., Burlington, Iowa.
	Campbell & Co., Chattanooga, Tenn.
	Cold Blast Feather Co., 56 W. Van Buren St., Chicago, Ill.
	Dubuque Mattress Factory, Dubuque, Iowa.
	D. N. Foster Furniture Co., Ft. Wayne, Ind.
	Gilbert National Spring Co., 74 W. Monroe St., Chicago, Ill.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
	Hard Bros. & Co., Oneida, N. Y.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Murphy, Wasey & Co., Detroit, Mich.
	National Wire Mattress Co., New Britain, Conn.
	Palmer Wire Mfg. Co., Palmer, Mass.
	Henry Schomer, 299 S. Canal St., Chicago, Ill.
	Smith & Davis Mfg. Co., Lucas Av. & 23d St., St. Louis, Mo.
M. MATTRESSES, WOOL.	Grand Rapids Mattress Co., Grand Rapids, Mich.
N. MATTRESSES, WOVEN WIRE.	Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
	Carman & Schmitt Mfg. Co., Des Moines, Iowa.
	Domestic Spring Bed Co., Jersey City, N. J.
	Foster Bros., Utica, N. Y.
	Gilbert National Spring Co., 74 W. Monroe St., Chicago, Ill.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
	Frank A. Hall, 168 Centre St., New York.
	Hartford Woven Wire Mattress Co., Hartford, Conn.
	N. Y. Woven Wire Mattress Co., 394 Hudson St., New York.
	H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
	W. S. Thatcher Co., Waverly, N. Y.
	Union Wire Mattress Co., 73 Erie St., Chicago, Ill.
O. PILLOWS & BOLSTERS.	G. W. Bent & Co., 10 Charlestown St., Boston, Mass.
	Dubuque Mattress Factory, Dubuque, Iowa.
	Ely, Collins & Hale, 1918 Chestnut St., St. Louis, Mo.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
	F. E. Little & Co., 701 N. Main St., St. Louis, Mo.
P. PILLOWS, AIR.	Tyer Rubber Co., Andover, Mass.
	World's Air Mattress & Cush. Co., 93½ Summer St., Boston, Mass.
Q. PILLOWS, HAIR.	Frank A. Hall, 168 Centre St., New York.
	Geo. Heyman, 105 Mott St., New York.
	H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
R. PILLOWS, SPRING.	Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.
	A. J. Warren, Nashville, Tenn.
S. SPRING BEDS.	Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
	Domestic Spring Bed Co., Jersey City, N. J.
	Farren Bros. Co., New Haven, Conn.
	B. Fitch & Co., 61 4th Av., New York.
	Foster Bros., Utica, N. Y.
	Fowler Mfg. Co., Ltd., 550 W. 23d St., New York.
	Frank A. Hall, 168 Centre St., New York.
	Hard Bros. & Co., Oneida, N. Y.
	Geo. Heyman, 105 Mott St., New York.
	Lovell Mfg. Co., Ltd., Erie, Pa.
	Murphy, Wasey & Co., Detroit, Mich.
	Chas. P. Rogers & Co., 266 6th Av., New York.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
	Henry Schomer, 299 S. Canal St., Chicago, Ill.
	Southern Furniture Co., Atlanta, Ga.
	Union Wire Mattress Co., 73 Erie St., Chicago, Ill.
	U. S. Spring Bed Co., Springfield, Mass.
409. BEDSTEADS.	Aertz, Meyers & Kirchberg, Detroit, Mich.
	Buffalo School Furniture Co., Buffalo, N. Y.
	Campbell & Co., Chattanooga, Tenn.
	Chittenden & Eastman, Burlington, Iowa.
	A. H. Davenport, 96 Washington St., Boston, Mass.
	Grand Rapids Furniture Co., Grand Rapids, Mich.
	Indiana Furniture Mfg. Co., Connersville, Ind.
	Marietta Chair Co., Marietta, O.

Mattoon Mfg. Co., Sheboygan, Wis.
Merriam, Hall & Co., N. Leominster, Mass.
Neillsville Mfg. Co., Neillsville, Wis.
Ohio Furniture Co., Columbus, O.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Josiah Partridge, 360 Pearl St., New York.
Pentwater Bedstead Co., Pentwater, Mich.
Rockford Chair & Furniture Co., Rockford, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Southern Furniture Co., Atlanta, Ga.
Spencer & Barnes, Buchanan, Mich.
St. Anthony Furniture Co., St. Anthony, Minn.
M. L. Sweet, Grand Rapids, Mich.
Universal Tripod Co., Grand Rapids, Mich.
Widdicomb Furniture Co., Grand Rapids, Mich.
Winkler Furniture Co., Lexington, Mo.
Wrampelmeier Furniture Mfg. Co., Louisville, Ky.

A. BRASS BEDSTEADS.
Hartford Woven Wire Mattress Co., Hartford, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mesereau & Co., Newark, N. J.
Whitcomb Metallic Bedstead Co., Shelton, Conn.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. CAMP BEDS.
A. L. Adams, Cedar Rapids, Iowa.
Grand Rapids Mattress Co., Grand Rapids, Mich.

C. COTTAGE BEDSTEADS.
Chattanooga Furniture Co., Chattanooga, Tenn.
Southern Furniture Co., Evansville, Ind.

D. FOLDING BEDS.
Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Andrews Mfg. Co , 74 5th Av., New York.
Carrollton Furniture Mfg. Co., Carrollton, Ky.
Elisha E. Everitt, 106 Warren St., New York.
Forest City Furniture Co., Rockford, Ill.
Ft. Wayne Co., Ft. Wayne, Ind.
Gunn Folding Bed Co., Grand Rapids, Mich.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
Hartford Woven Wire Mattress Co., Hartford, Conn.
The Hodell Furniture Co., Shelbyville, Ind.
Langslow, Fowler & Co., Rochester, N. Y.
C. W. Lyman & Co., 71 Kilby St., Boston, Mass. *242
Nelson, Matter & Co., Grand Rapids, Mich.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Phœnix Furniture Co., Grand Rapids, Mich.
Pioneer Furniture Co., Eau Claire, Wis.
Rockford Co-operative Furniture Co., Rockford, Ill.
Scarritt Furniture Co , 414 N. 4th St., St. Louis, Mo.
Sterling Furniture Co., San Francisco, Cal.
M. L. Sweet, Grand Rapids, Mich.
Union Wire Mattress Co., 73 Erie St., Chicago, Ill.

E. HOSPITAL BEDS.
Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Union Wire Mattress Co., 73 Erie St., Chicago, Ill.

F. INVALID BEDSTEADS.
Hartford Woven Wire Mattress Co., Hartford, Conn.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
Sargent Mfg. Co., 814 Broadway, New York.

G. IRON BEDSTEADS.
Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Champion Iron Co., Kenton, O.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
J. W. Fiske, 28 Park Place, New York.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
Smith & Davis Mfg. Co., Lucas Av. & 23d St., St. Louis, Mo.
Union Wire Mattress Co , 73 Erie St., Chicago, Ill.
Whitcomb Metallic Bedstead Co., Shelton, Conn.

H. IRON JAIL BEDS.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.

I. TRUNDLE BEDSTEADS.
Campbell & Co., Chattanooga, Tenn.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

410. BEDSTEAD ATTACHMENTS, CANOPY.

I. E. Palmer, Middletown, Conn. *65

411. BIDETS.

F. W. Alms Mfg. Co., 15 Clifton Av., Cincinnati, O.
Hale & Co., 304 Pearl St., New York.
J. W. Mason & Co., 375 Pearl St., New York.

Sargent Mfg. Co., 814 Broadway, New York.

412. BLACKING CASES.
Archer Mfg. Co., Rochester, N. Y.
Brown & Abeel, Syracuse, N. Y.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
McLeod & Smith, Minneapolis, Minn.
Schmidt Bros. Trunk Co., Oshkosh, Wis.
Udell Wooden Ware Works, Indianapolis, Ind.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.

413. BOOK CASES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Central Furniture Co., Rockford, Ill.
Central Mfg. Co., 37 Armour St., Chicago, Ill.
Chittenden & Eastman, Burlington, Iowa.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
J. W. Davis Furniture Co., Louisville, Ky.
Forest City Furniture Co., Rockford, Ill.
Fort Plain Furniture Co., Fort Plain, N. Y.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Donald Kennedy & Sons, Minneapolis, Minn.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
Hemmer Bros., Newark, N. J.
Herrmann Desk Co., 368 Broome St., New York.
Kreimer & Bro. Co., 9th & Carr Sts., Cincinnati, O.
Lewis, Porter Cabinet Co., Indianapolis, Ind.
Luger Furniture Co., North St. Paul, Minn.
Nelson, Matter & Co., Grand Rapids, Mich.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Phœnix Furniture Co., Grand Rapids, Mich.
Rockford Union Furniture Co., Rockford, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Union School Furniture Co., Battle Creek, Mich.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
Wrampelmeier Furniture Mfg. Co., Louisville, Ky.

A. CABINET BOOK CASES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill
Berkey & Gay Furniture Co., Grand Rapids, Mich.
J. & R. Lamb, 59 Carmine St.. New York.
Sterling Furniture Co., San Francisco, Cal.
F. Wenter, 261 Wabash Av., Chicago, Ill.

B. COMBINATION BOOK CASE & DESK.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Cortland Desk Co., Ltd., Cortland, N. Y.
Herrmann Desk Co., 368 Broome St., New York.

C. CYLINDER BOOK CASES.
Herrmann Desk Co., 368 Broome St., New York.
Northwestern Furniture Co., Burlington, Iowa.
Rockford Co-operative Furniture Co., Rockford, Ill.

D. LIBRARY BOOK CASES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Forest City Furniture Co., Rockford, Ill.
Herrmann Desk Co., 368 Broome St., New York.
Northwestern Furniture Co., Burlington, Iowa.
Rockford Co-operative Furniture Co., Rockford, Ill.
Sterling Furniture Co., San Francisco, Cal.

E. RATTAN BOOK CASES.
Heywood Bros. & Co., 195 Canal St., New York.

F. REVOLVING BOOK CASES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
John Danner Mfg. Co., Canton, O.
Chas. H. Emerson & Co., Burlington, Vt.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
R. M. Lambie, 39 E. 19th St., New York.
Sargent Mfg. Co., 814 Broadway, New York.
Universal Tripod Co., Grand Rapids, Mich.

G. ROLLER BOOK CASES.
Union School Furniture Co., Battle Creek, Mich.

414. BOOK RACKS.
R. Bliss Mfg. Co., Pawtucket, R. I.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
H. T. Cushman Mfg. Co., N. Bennington, Vt.
Chas. Lersch, 516 E. 17th St., New York.
Mattoon Mfg. Co., Sheboygan, Wis.
H. M. Quackenbush, Herkimer, N. Y.
Ellis Thayer, Pawtucket, R. I. *64

415. BOOK SHELVES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Fletcher & Webster Furniture Co., Nashua, N. H.
Folding Chair & Table Co., Grand Rapids, Mich.
Office Specialty Mfg. Co., Rochester, N. Y.
Universal Tripod Co., Grand Rapids, Mich.

416. BUFFETS.
Folding Chair & Table Co., Grand Rapids, Mich.
Donald Kennedy & Son, Minneapolis, Minn.

Lewis-Porter Cabinet Co., Indianapolis, Ind.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Paine's Furniture Co., New Haven, Conn.
J. Gibb Smith & Co., New Haven, Conn.

417. BUREAUS.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Campbell & Co., Chattanooga, Tenn.
Chattanooga Furniture Co., Chattanooga, Tenn.
Chittenden & Eastman, Burlington, Iowa.
Connersville Furniture Mfg. Co., Connersville, Ind.
Albert H. Davenport, 96 Washington St., Boston, Mass.
German Furniture Co., Middleport, O.
Herrmann Bureau Co., 188 Mott St., New York.
Indiana Furniture Mfg. Co., Connersville, Ind.
Johnson Chair Co., 255 N. Green St., Chicago, Ill.
Mattoon Mfg. Co., Sheboygan, Wis.
Merriam, Hall & Co., North Leomister, Mass.
Neillsville Mfg. Co., Neillsville, Wis.
Josiah Partridge, 360 Pearl St., New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
M. Seibert & Co., Allegheny, Pa.
Spencer & Barnes, Buchanan, Mich.
Universal Tripod Co., Grand Rapids, Mich.
Wrampelmeier Furniture Mfg. Co., Louisville, Ky.

418. CABINETS.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
J. W. Cooper, 170 Washington Av., Philadelphia, Pa.
Ehman & Simon Mfg. Co., Fulton c. Elizabeth Sts., Chicago, Ill.
Chas. Lersch, 516 E. 17th St., New York.
Lewis-Porter Cabinet Co., Indianapolis, Ind.
Frank Rhoner & Co., 435 E. 22d St., New York.
Rockford Union Furniture Co., Rockford, Ill.
Geo. W. Smith & Co., 3907 Powelton Av., Philadelphia, Pa.
Universal Tripod Co., Grand Rapids, Mich.

A. CHINA CABINETS.

Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Continental Cabinet Co , Court St. & McLean Av., Cincinnati, O.
M. & H. Schrenkeisen, 164 Monroe St., New York.

B. LADIES' CABINETS.

Central Furniture Co., Rockford, Ill.
Continental Cabinet Co., Court St. & McLean Av., Cincinnati, O.
Hall & Garrison, 32 Warren St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Rockford Co-operative Furniture Co., Rockford, Ill.

C. MANTEL CABINETS.

Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Hall & Garrison, 32 Warren St., New York.
Murphy & Diebold, Pittsburgh, Pa.

D. METAL CABINETS.

Ohio Furniture Co., Columbus, O.

E. MUSIC CABINETS.

Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Oriel Cabinet Co., Grand Rapids, Mich.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Scarritt Furniture Co., 414 W. 4th St., St. Louis, Mo.
F. Wenter, 261 Wabash Av., Chicago, Ill.

F. PARLOR CABINETS.

Leo Austrian & Co., 45 Huron St., Chicago, Ill.
Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Scarritt Furniture Co., 414 W. 4th St., St. Louis, Mo.
F. Vogel & Co., 226 E. 37th St., New York.

G. PHYSICIANS' CABINETS.

Thos. Kelsall Co., McLean Av. & Richmond St., Cincinnati, O.

H. STANDING CABINETS.

Continental Cabinet Co., Court St. & McLean Av., Cincinnati, O.
Oriel Cabinet Co., Grand Rapids, Mich.
F. Wenter, 261 Wabash Av., Chicago, Ill.

I. TURKISH BATH CABINETS.

Davidson & Sons, ft. N. Market St., Chicago, Ill.
New Haven Chair Co., New Haven, Conn.

J. WALL CABINETS.

Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Continental Cabinet Co., Court St. & McLean Av., Cincinnait, O.
Hermann Dining Room Furniture Co., 197 Mott St., New York.
Andrew Homan Co., 440 Water St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Oriel Cabinet Co., Grand Rapids, Mich.
John B. Rohrer, 1222 Shackamaxon St., Philadelphia, Pa.

419. CANOPY FIXTURES.

A. CANOPY FRAMES, BRASS.

W. T. Mersereau & Co., Newark, N. J.
I. E. Palmer, Middletown, Conn. *65

B. MOSQUITO CANOPY FRAMES.

W. T. Mersereau & Co., Newark, N. J.
I. E. Palmer, Middletown, Conn. *65

C. SELF ADJUSTING CANOPY FRAMES.

I. E. Palmer, Middletown, Conn. *65

D. TURN OVER CANOPY FRAMES. — I. E. Palmer, Middletown, Conn. *65

420. CEDAR CHESTS.
H. Kindt & Co., 531 W. 8th St., Cincinnati, O.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
H. H. Wiggers & Sons, 457 Plum St., Cincinnati, O.

421. CHAIRS.

A. ADJUSTABLE CHAIRS.
Adjustable Chair Co., Cleveland, O.
Geo. F. Child, 277 Wabash Av., Chicago, Ill.
Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.
Sargent Mfg. Co., 814 Broadway, New York.

B. ANTIQUE CHAIRS.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
Delaware Chair Co., Delaware, O. *1
Louisville Chair Co., Louisville, Ky.
Mad River Chair Co., Urbana, O.
Mellish, Byfield & Co., 619 Albany St., Boston, Mass.
Milwaukee Chair Co., Milwaukee, Wis.

C. ASSEMBLY CHAIRS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
Milwaukee Chair Co., Milwaukee, Wis.

D. BARBERS' CHAIRS.
Archer Mfg. Co., Rochester, N. Y.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
J. W. Fiske, 28 Park Place, New York.
Gust. Knecht Mfg. Co., 38 Randolph St., Chicago, Ill.
Theo. A. Kochs, 158 N. Wells St., Chicago, Ill.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.

E. BATH CHAIRS.
Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.

F. BENT WOOD CHAIRS.
Johnson Chair Co., 255 N. Green St., Chicago, Ill.
Neppert Bros., 390 Canal St., New York.

G. BRACKET CHAIRS.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.

H. BRASS CHAIRS.
H. L. Judd & Co., 87 Chambers St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
W. T. Mersereau & Co., Newark, N. J.

I. CAMP CHAIRS.
Geo. Chipman & Son, Baltimore, Md.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
J. W. Dann Mfg. Co., Columbus, O.
Lang Mfg. Co., Albany, N. Y.
Maine Mfg. Co., Fairfield, Me.
New Haven Chair Co., New Haven, Conn.

J. CANE SEAT CHAIRS.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
S. Bent & Bros., South Gardner, Mass.
T. W. Burtch & Co., Jamestown, N. Y.
Geo. Chipman & Son, Baltimore, Md.
Crocker Chair Co , 224 Wabash Av., Chicago, Ill.
Delaware Chair Co., Delaware, O. *1
P. Derby & Co., West Gardner, Mass.
Dunn & Salisbury, Keene, N. H.
Fort Madison Chair Co., Fort Madison, Iowa.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Hale & Co., 304 Pearl St., New York.
C. P. Harris Mfg. Co., Rutland, Vt.
G. Henshaw & Sons, Canal & Elm Sts., Cincinnati, O.
F. Herhold & Sons, 160 W. Erie St., Chicago, Ill.
Jamestown Cane Seat Chair Co., Jamestown, N. Y.
F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
Louisville Chair Co., Louisville, Ky.
Mad River Chair Co., Urbana, O.
Marietta Chair Co., Marietta, O.
Murphy, Wasey & Co., Detroit, Mich.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Smith, Day & Co., Baldwinsville, Mass.
Stomps, Burkhart Co., Dayton, O.
Tidioute Chair Co., Ltd., Tidioute, Pa.
Watson & Karsch Mfg. Co., 71 Bowery, New York.
Webster Mfg. Co., Menasha, Wis.

K. CHILDREN'S CHAIRS.
S. Bent & Bros., South Gardner, Mass.
Buckstaff, Edwards & Co., Oshkosh, Wis.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
P. Derby & Co., Gardner, Mass.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
Louisville Chair Co., Louisville, Ky.

Mad River Chair Co., Urbana, O.
Mann Bros., Milwaukee, Wis.
Nashua Novelty Works, Nashua, N. H.
Phœnix Chair Co., Sheboygan, Wis.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
S. A. Smith & Co., Brattleboro, Vt. *102
St. Anthony Furniture Co., St. Anthony, Minn.
Union City Chair Co., Union City, Pa.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

L. CHILDREN'S TABLE & CARRIAGE CHAIRS.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Heywood Bros. & Co., 195 Canal St., New York.
Josiah Partridge, 360 Pearl St., New York.

M. CHURCH CHAIRS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Champion School Desk Co., Dayton, O.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
J. & R. Lamb, 59 Carmine St., New York.
Milwaukee Chair Co., Milwaukee, Wis.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

N. COMBINATION CHAIRS.
Hale & Co., 304 Pearl St., New York.
Wm. A. Stokes & Co., 79 Reade St., New York.

O. COTTAGE CHAIRS.
Geo. Chipman & Son, Baltimore, Md.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
J. W. Mason & Co., 375 Pearl St., New York.

P. DENTISTS' CHAIRS
Archer Mfg. Co., Rochester, N. Y.
Canton Surgical & Dental Chair Co., Canton, O. *2
Harwood Co., Canton, O.
S. S. White Dental Mfg. Co., Chestnut & S. 12th St., Phila., Pa,

Q. DESK CHAIRS.
Michigan Chair Desk Co., Port Byron, Ill.

R. DINING CHAIRS.
Archer Mfg. Co., Rochester, N. Y.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
Barnutz & Diehl, 143 7th Av., New York.
Berkey & Gay Furniture Co , Grand Rapids, Mich.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Geo. Chipman & Son, Baltimore, Md.
Copeland & Durgin, Rochester, N. Y.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
Delaware Chair Co., Delaware, O. *1
Dunn & Salisbury, Keene, N. H.
Grand Rapids Chair Co., Grand Rapids, Mich.
Harvard Co., Canton, O.
G. Henshaw & Sons, Canal & Elm Sts., Cincinnati, O.
Indianapolis Chair Mfg. Co., Indianapolis, Ind.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
Louisville Chair Co., Louisville, Ky.
Mad River Chair Co., Urbana, O.
Milwaukee Chair Co., Milwaukee, Wis.
Minges & Shale, Rochester, N. Y.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Union City Chair Co., Union City, Pa.
F. Vogel & Co., 226 E. 37th St., New York.
Watson & Karsch Mfg. Co., 71 Bowery, New York.

S. EASY CHAIRS.
Barnutz & Diehl, 143 7th Av., New York.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
Excelsior Furniture Co., Rockford, Ill.
Milwaukee Chair Co., Milwaukee, Wis.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Frank Rhoner & Co., 435 E. 22d St., New York.
Sargent Mfg. Co., 814 Broadway, New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Stomps, Burkhart Co., Dayton, O.
Streit & Schmidt, 354 Hopkins St., Cincinnati, O.
F. Vogel & Co., 226 E. 37th St., New York.

T. FANCY CHAIRS.
Geo. Chipman & Son, Baltimore, Md.
Cortland Chair & Cabinet Co., Cortland, N. Y.
Delaware Chair Co., Delaware, O.
H. C. Dexter Chair Co., Black River, N. Y.
Louisville Chair Co., Louisville, Ky.
Milwaukee Chair Co., Milwaukee, Wis.
New Haven Chair Co., New Haven, Conn.

Frank Rhoner & Co., 435 E. 22d St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Watson & Karsch Mfg. Co., 71 Bowery, New York.

U. FOLDING CHAIRS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. E. Barnes & Bro., 198 Canal St., New York.
Geo. Chipman & Son, Baltimore, Md.
Clarke Chemical Works, Springfield, O.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
J. W. Dann Mfg. Co., Columbus, O.
Fletcher & Webster Furniture Co., Nashua, N. H.
Folding Chair & Table Co., Grand Rapids, Mich.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Grand Rapids Portable House Co., Grand Rapids, Mich.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
McCracken & Hall, 223 S. 2d St., Philadelphia, Pa.
Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.
New Haven Chair Co., New Haven, Conn.
Sargent Mfg. Co., 814 Broadway, New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
David N. Sellig, Newburgh, N. Y.

V. GYNAECOLOGICAL CHAIRS.
Archer Mfg. Co., Rochester, N. Y.
Canton Surgical & Dental Chair Co., Canton, O. *2
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.
Miner & Elbreg, Indianapolis, Ind.
Roberts & Allison, Indianapolis, Ind.
Sargent Mfg. Co., 814 Broadway, New York.

W. HAMMOCK CHAIRS.
Goodell Co., Antrim, N. H.

X. INVALID CHAIRS.
Geo. F. Childs, 277 Wabash Av., Chicago, Ill.
Mann Bros., Milwaukee, Wis.
Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
New Haven Chair Co., New Haven, Conn.
Stevens Chair Co., Pittsburgh, Pa.

Y. INVALID ROLLING CHAIRS.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.
Milwaukee Chair Co., Milwaukee, Wis.
New Haven Chair Co., New Haven, Conn.
Sargent Mfg. Co., 814 Broadway, New York.
Herbert S. Smith, 81 John St., New York.

Z. LAWN CHAIRS.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Binghamton Chair Co., Binghamton, N. Y.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Champion School Desk Co., Dayton, O.
Champion Iron Co., Kenton, O.
Delaware Chair Co., Delaware, O. *1
J. W. Fiske, 28 Park Place, New York.
Johnson Co., Johnstown, Pa.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
Minneapolis Wire Works, Minneapolis, Minn.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

AA. LIBRARY CHAIRS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Archer Mfg. Co., 9 N. Water St., Rochester, N. Y.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Geo. Chipman & Son, Baltimore, Md.
Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
Delaware Chair Co., Delaware, O. *1
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Grand Rapids Chair Co., Grand Rapids, Mich.
G. Henshaw & Sons, Canal & Elm Sts., Cincinnati, O.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
Milwaukee Chair Co., Milwaukee, Wis.
Minges & Shale, Rochester, N. Y.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Sargent Mfg. Co., 814 Broadway, New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Taylor Chair Co., Bedford, O.

BB. OFFICE CHAIRS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
Buckstaff, Edwards & Co., Oshkosh, Wis.
Crocker Chair Co., Sheboygan, Wis.
A. Cutler & Son, 166 Pearl St., Buffalo, N. Y.
Delaware Chair Co., Delaware, O. *1

P. Derby & Co., Gardner, Mass.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Forest City Furniture Co., Rockford, Ill.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Johnson Chair Co., 255 N. Green St., Chicago, Ill.
Milwaukee Chair Co., Milwaukee, Wis.
Josiah Partridge, 360 Pearl St., New York.
St. Anthony Furniture Co., St. Anthony, Minn.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Sidney School Furniture Co., Sidney, O. *5
Union City Chair Co., Union City, Pa.
Watson & Karsch Mfg. Co., 71 Bowery, New York.

CC. OPERA CHAIRS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
Champion School Desk Co., Dayton, O.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
J. W. Fiske, 28 Park Place, New York.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Thos. Kane & Co., 137 Wabash Av., Chicago, Ill.
Racine Hardware Mfg. Co., Racine, Wis.
Union School Furniture Co., Battle Creek, Mich.

DD. PIANO CHAIRS.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
M. & H. Schrenkeisen, 23 Elizabeth St., New York.

EE. POSING CHAIRS.
C. A. Schindler, West Hoboken, N. J.

FF. PRAYING CHAIRS.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
Hale & Co., 304 Pearl St., New York.

GG. RATTAN & REED CHAIRS.
Conant & Bush, Gardner, Mass.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Heywood Bros. & Co., 195 Canal St., New York.
New Haven Rattan Co., New Haven, Conn.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Valley City Rattan Co., Grand Rapids, Mich.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

HH. RECLINING CHAIRS.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
Barnutz & Diehl, 143 7th Av., New York.
R. Boericke & Co., 501 N. Wells St , Chicago, Ill.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Geo. F. Child, 277 Wabash Av., Chicago, Ill.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Lovell Mfg. Co., Ltd., Erie, Pa.
Thos. Madden, Son & Co., Indianapolis, Ind.
Marks Adj. Folding Chair Co., Ltd., 930 B'way, New York.
New Haven Chair Co., New Haven, Conn.
Sargent Mfg. Co., 814 Broadway, New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

II. ROCKING CHAIRS.
S. Bent & Bros., S. Gardner, Mass.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Geo. Chipman & Son, Baltimore, Md.
Crocker Chair Co., Sheboygan, Wis.
Delaware Chair Co., Delaware, O. *1
P. Derby & Co., Gardner, Mass.
John A. Dunn, West Gardner, Mass.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill
Johnson Chair Co., 255 N. Green St., Chicago, Ill.
Langslow, Fowler & Co., Rochester, N. Y.
Lord, Latimer & Yates, Utica, N. Y.
Louisville Chair Co., Louisville, Ky.
Thos. Madden, Son & Co., Indianapolis, Ind.
Mad River Chair Co., Urbana, O.
Marble & Shattuck Chair Co., Bedford, O.
Merklen Bros., 157 Goerck St., New York.
Pioneer Chair Co., W. Paris, Me.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
Frank Rhoner & Co., 435 E. 22d St., New York.
St. Anthony Furniture Co., St. Anthony, Minn.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Alfred E. Stacey, Elbridge, N. Y.
Taylor Chair Co., Bedford, O.
Union City Chair Co., Union City, Pa.
Valley City Rattan Co., Grand Rapids, Mich.
F. Vogel & Co., 226 E. 37th St., New York.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

JJ.	ROCKING CHAIRS, EXTENSION.	Alfred E. Stacey, Elbridge, N. Y.
KK.	ROCKING CHAIRS, FOLDING.	Bub & Kipp, 115 Huron St., Milwaukee, Wis.
		Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
LL.	ROCKING CHAIRS, PLATFORM.	Excelsior Furniture Co., Rockford, Ill.
		Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
		Langslow, Fowler & Co., Rochester, N. Y.
		Munroe & Seeley Co., Elbridge, N. Y.
		Novelty Wood Works, Union City, Pa.
		M. & H. Schrenkeisen, 164 Monroe St., New York.
		Alfred E. Stacey, Elbridge, N. Y.
		F. Vogel & Co., 82 Bowery, New York.
MM.	SEDAN CHAIRS.	Herbert S. Smith, 81 John St., New York.
NN.	SHAKER CHAIRS.	R. M. Wagan & Co., Mt. Lebanon, N. Y.
OO.	SPLINT CHAIRS.	Burdett Chair Mfg. Co., Keene, N. H.
		T. W. Burtch & Co., Jamestown, N. Y.
		Johnson Chair Co., 255 N. Green St., Chicago, Ill.
PP.	STEAMER CHAIRS.	C. O. Collignon, 181 Canal St., New York.
		Josiah Partridge, 360 Pearl St., New York.
QQ.	STUDENT CHAIRS.	Bub & Kipp, 115 Huron St., Milwaukee, Wis.
		Delaware Chair Co., Delaware, O. *1
		C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
		Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
		Wm. Prufrock, 1108 Olive St., St., Louis, Mo.
RR.	SURGICAL CHAIRS.	Archer Mfg. Co., Rochester, N. Y.
		Canton Surg. & Dent. Chair Co., Canton, O. *2
		Geo. F. Childs, 277 Wabash Av., Chicago, Ill.
		J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
		Harvard Co., Canton, O.
		Marks Adj. Folding Chair Co., Ltd., 930 Broadway, New York.
		Miner & Elbreg, Indianapolis, Ind.
		Roberts & Allison, Indianapolis, Ind.
		Sargent Mfg. Co., 814 Broadway, New York.
SS.	TÊTE-A-TÊTES.	J. F. Kitchell Mfg. Co., Newark, N. J.
		Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
		Wakefield Rattan Co., 115 Washington St., Boston, Mass.
TT.	UPHOLSTERED CHAIRS.	American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
		Croker Chair Co., 224 Wabash Av., Chicago, Ill.
		Delaware Chair Co., Delaware, O. *1
		C. H. Haberkorn & Co., Detroit, Mich.
		G. Henshaw & Sons, Canal & Elm Sts., Cincinnati, O.
		Louisville Chair Co., Louisville, Ky.
		Milwaukee Chair Co., Milwaukee, Wis.
		Alex. H. Revell & Co., cor. 5th Av. & Randolph St., Chicago, Ill.
		Frank Rhoner & Co., 435 E. 22d St., New York.
		M. & H. Schrenkeisen, 23 Elizabeth St., New York.
UU.	VENEER SEAT CHAIRS.	T. W. Burtch & Co., Jamestown, N. Y.
		J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago,
		Fort Madison Chair Co., Fort Madison, Iowa.
		Frost Veneer Seating Co., Sheboygan, Wis.
		Grand Rapids School Furniture Co., Grand Rapids, Mich
		Tidioute Chair Co., Ltd., Tidioute, Pa.
VV.	VERANDA CHAIRS.	Binghamton Chair Co., Binghamton, N. Y.
		Crocker Chair Co., Sheboygan, Wis.
		Delaware Chair Co., Delaware, O. *
		J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
		Grand Rapids School Furniture Co., Grand Rapids, Mich.
		Louisville Chair Co., Louisville, Ky.
WW.	WINDOW CLEANER CHAIRS.	J. H. Van Dorn, Cleveland, O.
XX.	WOOD SEAT CHAIRS.	S. Bent & Bros., S. Gardner, Mass.
		Buckstaff, Edwards & Co., Oshkosh, Wis.
		George Chipman & Son, Baltimore, Md.
		Crocker Chair Co., 224 Wabash Av., Chicago, Ill.
		Delaware Chair Co., Delaware, O. *1
		P. Derby & Co., W. Gardner, Mass.
		J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
		Fort Madison Chair Co., Fort Madison, Iowa.
		Hale & Co., 304 Pearl St , New York.
		C. P. Harris Mfg. Co., Rutland, Vt.
		Louisville Chair Co., Louisville, Ky.
		Mad River Chair Co., Urbana, O.
		Marietta Chair Co., Marietta, O.
		Murphy, Wasey & Co., Detroit, Mich.
		Tidioute Chair Co., Ltd., Tidioute, Pa.
		Webster Mfg. Co., Menasha, Wis.

422. CHAMBER SUITS.

Aertz, Meyer & Kirchberg, Detroit, Mich.
Ambrose E. Barnes & Bro., 198 Canal St., New York
Campbell & Co., Chattanooga, Tenn.
Carollton Furniture Mfg. Co., Carrollton, Ky.
Chattanooga Furniture Co., Chattanooga, Tenn.
Chittenden & Eastman, Burlington, Iowa.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Connersville Furniture Mfg. Co., Connersville, Ind.
L. C. & W. L. Cron & Co., Piqua, O.
Daniels, Badger & Co., 25 Sudbury St., Boston, Mass.
J. W. Davis Furniture Co., Louisville, Ky.
Forest City Furniture Co., Rockford, Ill.
Fort Plain Furniture Co., Fort Plain, N. Y.
Hawks Furniture Co., Goshen, Ind.
Kent Furniture Mfg. Co., Grand Rapids, Mich.
Kreimer & Bro. Co., 9th & Carr Sts., Cincinnati, O
Luger Furniture Co., N. St. Paul, Minn.
Mattoon Mfg. Co., Sheboygan, Wis.
McCord & Bradfield, Grand Rapids, Mich.
McLoud & Sparks Furniture Co., Fort Smith, Ark.
Nelson, Matter & Co., Grand Rapids, Mich.
New England Furniture Co., Grand Rapids, Mich.
John A. Otto's Sons, Williamsport, Pa.
Josiah Partridge, 360 Pearl St., New York.
Pentwater Bedstead Co., Pentwater, Mich.
Phœnix Furniture Co., Grand Rapids, Mich.
Pioneer Furniture Co., Eau Claire, Wis.
F. Posselins & Bros., Detroit, Mich.
Rockford Chair & Furniture Co., Rockford, Ill.
Rockford Union Furniture Co., Rockford, Ill.
Sligh Furniture Co., Grand Rapids, Mich.
Spencer & Barnes, Buchanan, Mich.
Southern Furniture Co., Atlanta, Ga.
Widdicomb Furniture Co., Grand Rapids, Mich.
Williamsport Furniture Co., Williamsport, Pa.
Winkler Furniture Co., Lexington, Mo.
Worden Furniture Co., Grand Rapids, Mich.
Wrampelmeier Furniture Mfg. Co., Louisville, Ky.

423. CHIFFONIERS.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Carrollton Furniture Mfg. Co., Carrollton, Ky.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Connersville Furniture Co., Connersville, Ind.
Daniels, Badger & Co., 25 Sudbury St., Boston, Mass.
Fort Plain Furniture Co., Fort Plain, N. Y.
Forest City Furniture Co., Rockford, Ill.
Hawks Furniture Co., Goshen, Ind.
Herrmann Bureau Co., 188 Mott St., New York.
Johnson Chair Co., 255 N. Green St., Chicago, Ill.
Donald Kennedy & Son, Minneapolis, Minn.
Kent Furniture Mfg. Co., Grand Rapids, Mich.
Kreimer & Bro. Co., 9th & Carr Sts., Cincinnati, O.
Luger Furniture Co., N. St. Paul, Minn.
Mattoon Mfg. Co., Sheboygan, Wis.
McLoud & Sparks Furniture Co., Forth Smith, Ark.
Martin Worn & Sons, Humboldt & Seigel Sts., Brooklyn, N. Y.
Mattoon Mfg. Co., Sheboygan, Wis.
Neillson Mfg. Co., Neillson, Wis.
Nelson, Matter & Co., Grand Rapids, Mich.
John A. Otto's Sons, Williamsport, Pa.
Josiah Partridge, 360 Pearl St., New York.
Pioneer Furniture Co., Eau Claire, Wis.
Rockford Chair & Furniture Co., Rockford, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Sligh Furniture Co., Grand Rapids, Mich.
Widdicomb Furniture Co., Grand Rapids, Mich.
Williamsport Furniture Co., Williamsport, Pa.

424. CHINA CLOSETS.

Continental Cabinet Co., Court St. & McLean Av., Cincinnati,O.
H. Kindt & Co., 531 W. 8th St., Cincinnati, O.
Lewis-Porter Cabinet Co., Indianapolis, Ind.
Linwood Furniture Co., Linwood, O.
J. W. Mason & Co., 375 Pearl St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
M. & H. Schrenkeisen, 164 Monroe St., New York.

425. COMMODES.

Brown & Abeel, Syracuse, N. Y. *252
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Buckstaff, Edwards & Co., Oshkosh, Wis.

Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Crocker Chair Co., Sheboygan, Wis.
Albert H. Davenport, 96 Washington St., Boston, Mass.
Folding Chair & Table Co., Grand Rapids, Mich.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
Heap's Patent Earth Closet Co., Muskegon, Mich.
F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
McCracken & Hall, 223 S. 2d St., Philadelphia, Pa.
L. H. Mace & Co., 111 E. Houston St., New York.
Neillsville Mfg. Co., Neillsville, Wis.
Sargent Mfg. Co., 814 Broadway, New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Universal Tripod Co., Grand Rapids, Mich.

426. COTS.

A. CANVAS COTS.

Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Elliott & Cougle, 5 Howard St., New York.
Foster Bros., Utica, N. Y.
Grand Rapids Mattress Co., Grand Rapids, Mich.
Hard Bros. & Co., Oneida, N. Y.
Missouri Tent & Awning Co., 218 Chestnut St., St. Louis, Mo.

B. FOLDING COTS.

Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Cold Blast Feather Co., 56 W. Van Buren St., Chicago, Ill.
J. W. Dann Mfg. Co., Columbus, O.
Grand Rapids Mattress Co., Grand Rapids, Mich.
Grand Rapids Portable House Co., Grand Rapids, Mich.
Frank A. Hall, 168 Centre St., New York.
Hard Bros. & Co., Oneida, N. Y.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Geo. Heyman, 105 Mott St., New York.
Jacob Kaiser & Co., 204 S. 4th St., St. Louis, Mo.
Murphy, Wasey & Co., Detroit, Mich.
Sargent Mfg. Co., 814 Broadway, New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Smith & Davis Mfg. Co., Lucas Av. & 23d St., St. Louis, Mo.

C. IRON COTS.

Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Grand Rapids Mattress Co., Grand Rapids, Mich.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Union Wire Mattress Co., 73 Erie St., Chicago, Ill.

D. WIRE COTS.

Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Bloom & Godley, Trenton, N. J.
Elliott & Cougle, 5 Howard St., New York.
John P. Fowler, 1434 Wabash Av., Chicago, Ill.
Gilbert National Spring Co., 74 W. Monroe St., Chicago, Ill.
Grand Rapids Mattress Co., Grand Rapids, Mich.
Murphy, Wasey & Co., Detroit, Mich.

427. COUCHES.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bub & Kipp, 155 Huron St., Milwaukee, Wis.
Excelsior Furniture Co., Rockford, Ill.
Heywood Bros. & Co., Gardner, Mass.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
Otto Stechman & Co., Indianapolis, Ind.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
Frank Rhoner & Co,. 435 E. 22d St., New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

A. RATTAN COUCHES.

Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

428. CRADLES.

Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Buckstaff, Edwards & Co., Oshkosh, Wis.
Campbell & Co., Chattanooga, Tenn.
Copeland & Durgin, Rochester, N. Y.
Crocker Chair Co., Sheboygan, Wis.
Fletcher & Webster Furniture Co., Nashua, N. H.
Johnson Chair Co., 255 N. Green St., Chicago, Ill.
F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
Mattoon Mfg. Co., Sheboygan, Wis.
Niemann & Weinhardt Table Co., 400 N. Wood St., Chicago, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
S. A. Smith & Co., Brattleboro, Vt. *102

A. BRASS CRADLES.

H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. IRON CRADLES

Ames & Frost Co., 302 Wabash Ave., Chicago, Ill.
Champion Iron Co., Kenton, O.
J. W. Fiske, 28 Park Place, New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.

Whitcomb Metallic Bedstead Co., Shelton, Conn.

C. RATTAN & REED CRADLES. Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

429. CRIBS.
Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Betts Street Furniture Co., 224 Betts St., Cincinnati, O.
Cold Blast Feather Co., 56 W. Van Buren St., Chicago, Ill.
Copeland & Durgin, Rochester, N. Y.
A. H. Davenport, 96 Washington St , Boston, Mass.
Fletcher & Webster Furniture Co., Nashua, N. H.
Gilbert National Spring Co., 74 W. Monroe St., Chicago, Ill.
Johnson Chair Co., 255 N. Green St., Chicago, Ill,
Mann Bros., Milwaukee, Wis.
L. Morse & Sons, Athol, Mass.
Josiah Partridge, 360 Pearl St., New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Union City Chair Co., Union City, Pa.

A. BRASS CRIBS. Hartford Woven Wire Mattress Co., Hartford, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. FOLDING CRIBS. Fletcher & Webster Furniture Co., Nashua, N. H.
Wm. C. French, 82 Fulton St., Boston, Mass.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
T. B. Laycock Mfg. Co., Indianapolis, Ind.
John B. Rohrer, 1222 Shackamaxon Av., Philadelphia, Pa.

C. IRON CRIBS. Hartford Woven Wire Mattress Co., Hartford, Conn.
Union Wire Mattress Co., 73 Erie St., Chicago, Ill.

D. RATTAN & REED CRIBS. Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

430. CUPBOARDS. C. Geiger & Son, Defiance, O.
Thos. Madden, Son & Co., Indianapolis, Ind.
Mattoon Mfg. Co., Sheboygan, Wis.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

431. CUSHIONS.

A. AIR CUSHIONS. Tyer Rubber Co., Andover, Mass.
World's Air Mattress & Cushion Co., 93½ Summer St., Bost., Mass.

B. BOAT CUSHIONS. G. W. Bent & Co., 10 Charlestown St., Boston, Mass.
John Boyle, 199 Fulton St., New York.
John F. McHugh, 1263 Broadway, New York.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.

C. CHAIR CUSHIONS. F. F. Avery, S. Framingham, Mass.
G. W. Bent & Co., 10 Charlestown St., Boston, Mass.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
Sargent Mfg. Co., 814 Broadway, New York.

D. CHURCH CUSHIONS. F. F. Avery, S. Framingham, Mass.
G. W. Bent & Co., 10 Charlestown St., Boston, Mass.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.
Chas. P. Rogers & Co., 266 6th Av., New York.
Sargent Mfg. Co., 814 Broadway, New York.
Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.

432. DESKS.

A. CURTAIN DESKS. Indianapolis Cabinet Co., Indianapolis, Ind. *4

B. CYLINDER DESKS. Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
A. Cutler & Son, Buffalo, N. Y.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Forest City Furniture Co., Rockford, Ill.
Hemmer Bros., Newark, N. J.
Herrmann Desk Co., 368 Broome St., New York.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Novelty Wood Works, Union City, Pa.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.

C. LADIES' DESKS. Ballman, Hugenberg & Co., 88 Livingston St., New York.
Chattanooga Furniture Co., Chattanooga, Tenn.
Oriel Cabinet Co., Grand Rapids, Mich.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
F. Wenter Co., 261 Wabash Av., Chicago, Ill.

D. LIBRARY DESKS. American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Herrmann Desk Co., 368 Broome St., New York.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Thomas Kelsall Co., McLean Av. & Richmond St., Cincinnati, O.
Luger Furniture Co., N. St. Paul, Minn.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.

E. OFFICE DESKS. American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.

A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Bridgeport Organ Co., Bridgeport, Conn.
Buffalo School Furniture Co., Buffalo, N. Y.
Burlington School Furniture Co., Burlington, Iowa.
Central Mfg. Co., 37 Armour St., Chicago, Ill.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
A. Cutler & Son, Buffalo, N. Y.
Derby & Kilmer Desk Co., 93 Causeway St., Boston, Mass.
J. Dornette & Bro., 146 Harrison Av., Cincinnati, O.
Forest City Furniture Co., Rockford, Ill.
Forsythe & Co., Brooklyn, N. Y.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Hemmer Bros., Newark, N. J.
Herrmann Desk Co., 368 Broome St., New York.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Thomas Kelsall Co., McLean Av. & Richmond St., Cincinnati, O.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
A. Petersen & Co., 19 Armour St., Chicago, Ill.
Pond Desk Co., 273 Causeway St., Boston, Mass.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Wm. Schwarzwaelder & Co., 37 Fulton St., New York.
Sidney School Furniture Co., Sidney, O. *5
T. G. Sellew, 111 Fulton St., New York.
Sugg & Beiersdorf Co., 410 S. Canal St., Chicago, Ill.
Tyler Desk Co., 500 N. 4th St., St. Louis, Mo.
Union School Furniture Co., Battle Creek, Mich.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
Valley City Desk Co., Grand Rapids, Mich.
Winkler Furniture Co., Lexington, Mo.

F. ROLL TOP DESKS.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
Bridgeport Organ Co., Bridgeport, Conn.
Buffalo School Furniture Co., Buffalo, N. Y.
Derby & Kilmer Desk Co., 93 Causeway St., Boston, Mass.
J. Dornette & Bro., 146 Harrison Av., Cincinnati, O.
Hemmer Bros., Newark, N. J.
Herrmann Desk Co., 368 Broome St., New York.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Luger Furniture Co., N. St. Paul, Minn.
T. G. Sellew, 111 Fulton St., New York.
Union Desk Co., 104 Sudbury St., Boston, Mass.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
Valley City Desk Co., Grand Rapids, Mich.

G. SCHOOL DESKS.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
R. Bliss Mfg. Co., Pawtucket, R. I.
Buffalo School Furniture Co., Buffalo, N. Y.
Burlington School Furniture Co., Burlington, Iowa.
O. D. Case & Co., Hartford, Conn.
Champion School Desk Co., Dayton, O.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Thomas Kelsall Co., McLean Av. & Richmond St., Cincinnati, O.
Sherwood & Co., S. Halsted & Polk Sts., Chicago, Ill.
Sidney School Furniture Co., Sidney, O. *5
S. A. Smith & Co., Brattleboro, Vt. *102
Sterling Furniture Co., San Francisco, Cal.
Straight Wood School Desk Co., Greenfield, Ind.
Union School Furniture Co., Battle Creek, Mich.

H. STANDING DESKS.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.
Hemmer Bros., Newark, N. J.
Herrmann Desk Co., 368 Broome St., New York.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Union School Furniture Co., Battle Creek, Mich.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
Vermont School Seat Co., Rutland, Vt.

I. TEACHERS' DESKS.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.
Burlington School Furniture Co., Burlington, Iowa.
O. D. Case & Co., Hartford, Conn.
Champion School Desk Co., Dayton, O.
Grand Rapids Furniture Co., Grand Rapids, Mich.
Sidney School Furniture Co., Sidney, O. *5
S. A. Smith & Co., Brattleboro, Vt. *102

Union School Furniture Co., Battle Creek, Mich.

J. WALL WRITING DESKS.
Cortland Desk Co., Ltd., Cortland, N. Y.

433. DIVANS.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
McLeod & Smith, Minneapolis, Minn.
Merklen Bros., 157 Goerck St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Geo. W. Smith & Co., 3907 Powelton Av., Philadelphia, Pa.

434. DRESSERS.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Campbell & Co., Chattanooga, Tenn.
Cooley-Morrison Furniture Mfg. Association, Connersville, Ind.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

435. DRESSING CASES.
American Patent Dressing Case Co., Grand Rapids, Mich.
Albert H. Davenport, 96 Washington St., Boston, Mass.
Princess Dressing Case Co., Grand Rapids, Mich.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Edw. Simon & Bro., Newark, N. J.
Spencer & Barnes, Buchanan, Mich.
Chas. T. Wilt, 40 Madison St., Chicago, Ill.

436. EASELS.
Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown & Abeel, Syracuse, N. Y. *252
Jas. W. Cooper, 170 Washington Av., Philadelphia, Pa.
Gifford Mfg. Co., Watertown, N. Y.
Hall & Garrison, 1136 Washington Av., Philadelphia. Pa.
Meriden Bronze Co., Meriden, Conn.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Lewis Pattberg & Bros., 105 Franklin St., Jersey City, N. J.
M. H. Schrenkeisen, 164 Monroe St., New York.
Universal Tripod Co., Grand Rapids, Mich.

A. BAMBOO EASELS.
Bamboo Mfg. Co., 70 S. Canal St., Chicago, Ill.
A. Meinecke & Son, Milwaukee, Wis.
Syracuse Bamboo Furniture Co., Syracuse, N. Y.

B. BRASS EASELS.
American Pin Co., Waterbury, Conn.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. S. Conover & Co., 30 W. 23d St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
Meriden Malleable Iron Co., Meriden, Conn.
Pittsburgh Brass Co., Allegheny, Pa.
Wm. Wilet, 223 S. 5th St., Philadelphia, Pa.

C. RATTAN EASELS.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

437. FILING DEVICES.

A. BOXES, DOCUMENT.
A. B. Dick Co., 154 Lake St., Chicago, Ill.
Globe Company, cor. 2d & John Sts., Cincinnati, O.

B. CABINETS, LETTER FILING.
Amberg File & Index Co., 71 Lake St., Chicago, Ill.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Brown & Besley, 177 Lake St., Chicago, Ill.
Canton Cabinet Filing Case Co., Canton, O.
A. B. Dick Co., 154 Lake St., Chicago, Ill.
Globe Company, 139 W. 6th St., Cincinnati, O.
Office Specialty Mfg. Co., Rochester, N. Y.
Sargent Mfg. Co., 814 Broadway, New York.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.

C. CASES, DOCUMENT.
Amberg File & Index Co., 71 Lake St., Chicago, Ill.
Globe Company, cor. 2d & John Sts., Cincinnati, O.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Sidney Shepard & Co., Buffalo, N. Y.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.

D. CASES, LEGAL BLANK.
A. B. Dick Co., 154 Lake St., Chicago, Ill.
Union School Furniture Co., Battle Creek, Mich.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.

E. CASES, PIGEON HOLE.
Canton Cabinet Filing Case Co., Canton, O.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Office Specialty Mfg. Co., Rochester, N. Y.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.

F. FILES, BILL.
Amberg File & Index Co., 71 Lake St., Chicago, Ill.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Nicol & Co., 21 River St., Chicago, Ill.

G. FILES, LETTER.
Amberg File & Index Co., 71 Lake St., Chicago, Ill.
Brown & Besley, 177 Lake St., Chicago, Ill.
A. B. Dick Co., 154 Lake St., Chicago, Ill.
Globe Co., cor. 2d & John Sts., Cincinnati, O.

H. FILES, PAMPHLET.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Milton Bradley Co., Springfield, Mass.

438. FIXTURES, BARBERS'.
J. Hamilton & Son, 219 Spruce St., Philadelphia, Pa.
Keenan Bros. Mfg. Co., 200 Washn. St., Chicago, Ill.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.

439. FIXTURES, BUTCHERS'.
Belding Mfg. Co., Belding, Mich.
Boomer & Boschert Press Co., 235 Greenwich St., New York.
Cincinnati Butcher Supply Co., 872 Central Av., Cincinnati, O.
Thos. Farrell, 328 W. 41st St., New York.
E. Marscheider, 763 1st Av., New York.
Jos. M. Winterroth, 755 1st Av., New York.

440. FIXTURES, CHURCH.

A. CHURCH ALTARS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
J. & R. Lamb, 59 Carmine St., New York.
Stoltzenberg & Co., 53 Barclay St., New York.

B. CHURCH ORNAMENTS.
Benziger Bros., 36 Barclay St., New York.
Feeley & Co., 185 Eddy St., Providence, R. I.
Thackara Mfg. Co., 1524 Chestnut St., Philadelphia, Pa.
Stoltzenberg & Co., 53 Barclay St., New York.

C. CHURCH PEWS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Forsythe & Co., 129 Degraw St., Brooklyn, N. Y.
Grand Rapids Furniture Co., Grand Rapids, Mich.
J. & R. Lamb, 59 Carmine St., New York.
Sterling Furniture Co., San Francisco, Cal.

D. CHURCH PEW BOOK RACKS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.

E. CHURCH PEW ENDS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
J. & R. Lamb, 59 Carmine St., New York.

F. CHURCH SEATS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
Titusville Elastic Chair Co., Ltd., Titusville, Pa.

G. PULPITS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Albert H. Davenport, Boston, Mass.
Forsythe & Co., 129 Degraw St., Brooklyn, N. Y.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Manitowoc Mfg. Co., Manitowoc, Wis.
Marshall Bldg. & Mfg. Co., Marshalltown, Iowa.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
Winkler Furniture Co., Lexington, Mo.

441. FIXTURES, COURT HOUSE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Union School Furniture Co., Battle Creek, Mich.

442. FIXTURES, GROCERS'.
Nicol & Co., 21 River St., Chicago, Ill.

A. GROCERS' OIL TANKS.
Ball Bros. Glass Mfg. Co., Buffalo, N. Y.
W. J. Clark & Co., Salem, O. *121
Joseph Lage, cor. 6th & Main Sts., Cincinnati, O.

443. FIXTURES, OFFICE.

A. BANK FIXTURES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Buffalo School Furniture Co., Buffalo, N. Y.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
Hemmer Bros., Newark, N. J.
Kramer & Redman, Ltd., Allegheny, Pa.
Ohio Furniture Co., Columbus, O.
A. H. Revell Mfg. Co., 435 5th Av., Chicago, Ill
Geo. H. Stahl, Quincy, Ill.
Sterling Furniture Co., San Francisco, Cal.
St. Paul Mantel & Desk Co., St. Paul, Minn.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
Wm. Willer, Milwaukee, Wis.

B. BRASS WORK, OFFICE.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Minneapolis Wire Works Co., Minneapolis, Minn.
Post & Co., 217 W. 4th St., Cincinnati, O.

C. CHECK STANDS.
Union School Furniture Co., Battle Creek, Mich.

D. COUPON CASES.
Hoole Mfg. Co., 24 Park Place, New York.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.

E. DESK RACKS.
Brunswick-Balke-Collender Co., 860 Broadway, New York.

H. M. Quackenbush, Herkimer, N. Y.

F. OFFICE GRATINGS.
Braumoeller & Mueller, 92 Van Buren St., Chicago, Ill.
Pittsburgh Brass Co., Allegheny, Pa.

G. PLATED COUNTER RAILS.
Norwich Nickel & Brass Works, Norwich, Conn. *6
San Francisco Plating Works, 653 Mission St., San Francisco, Cal.

H. RAILINGS, BANK & OFFICE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
E. T. Barnum, Detroit, Mich.
J. E. Bolles & Co., Detroit, Mich.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
Forest City Wire & Iron Works, Cleveland, O.
Howard & Morse, 45 Fulton St., New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Manhattan Brass Co., 338 E. 28th St., New York.
Minneapolis Wire Works Co., Minneapolis, Minn.
Norwich Nickel & Brass Works, Norwich, Conn. *6
Pittsburgh Brass Co., Allegheny, Pa.
Post & Co., 217 W. 4th St., Cincinnati, O.
A. H. Revell Mfg. Co., 435 5th Av., Chicago, Ill.
Union School Furniture Co., Battle Creek, Mich.
J. H. Van Dorn, Cleveland, O.
Wayne Hardware Co., 140 Main St., Cincinnati, O.

I. RAILINGS, COUNTER.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
J. E. Bolles & Co., Detroit, Mich.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Hemmer Bros., Newark, N. J.
Howard & Morse. 45 Fulton St., New York.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Norwich Nickel & Brass Works, Norwich, Conn. *6
Union School Furniture Co., Battle Creek, Mich.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

J. TELEPHONE CLOSETS.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Buffalo School Furniture Co., Buffalo, N. Y.
A. Cutler & Son, 166 Pearl St., Buffalo, N. Y.

K. TICKET CASES.
New Haven Clock Co., New Haven, Conn.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.

444. FIXTURES, SALOON.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
Ohio Furniture Co., Columbus, O.
A. H. Revell Mfg. Co., 435 5th Av., Chicago, Ill.
Geo. H. Stahl, Quincy, Ill.

A. BAR FIXTURES.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
Wayne Hardware Co., 140 Main St., Cincinnati, O.

445. FIXTURES, SCHOOL.

A. BLACKBOARDS, FOLDING.
A. Meinecke & Son, Milwaukee, Wis.
W. S. Reed Toy Co., Leominster, Mass.

B. BLACKBOARDS, SLATE.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.

C. BLACKBOARD SUPPORTS.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Munger & Son, East River, Conn.
N. Y. Silicate Book Slate Co., 35 Vesey St., New York.

D. CHALK RACKS.
Munger & Son, East River, Conn.
W. S. Reed Toy Co., Leominster, Mass.

E. SCHOOL SEATS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
Champion School Desk Co., Dayton, O.
C. P. Harris Mfg. Co., Rutland, Vt.
Sherwood & Co., S. Halsted & Polk Sts.. Chicago, Ill.
Sidney School Furniture Co., Sidney, O. *5
Union School Furniture Co., Battle Creek, Mich.

446. FIXTURES, STORE.

A. ALARM TILLS.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
Miles Alarm Till Mfg. Co., Providence, R. I.

B. BUNDLE CARRIERS
Automatic Cash & Parcel Carrier, 50 State St., Boston, Mass.
Lamson Cons. Store Service Co., 89 State St., Boston, Mass.
Starr Cash Car Co., New London, Conn.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

C. CASH CARRIERS.
Automatic Cash & Parcel Carrier Co., 50 State St., Boston, Mass.
Fuller Cash Carrier Co., Meadville, Pa.
Lamson Cons Store Service Co., 89 State St., Boston, Mass.
Martin Cash Carrier Co., 89 State St., Boston, Mass.
Starr Cash Car Co., New London, Conn.

D. CASH REGISTERS.
American Cash Register Co., 108 Quincy St., Chicago, Ill.

	Mathai, Ingram & Co., Baltimore, Md.	
	Model Mfg. Co. of Pennsylvania, 195 Huntington St., Phila., Pa.	
	National Cash Register Co., Dayton, O.	
	N. E. Novelty Works, Hill, N. H.	
	F. R. Woodward, Hill, N. H.	
E. COUNTERS & SHELVES.	American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.	
	A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.	
	M. A. Disbrow & Co., Omaha, Neb.	
	Grand Rapids School Furniture Co., Grand Rapids, Mich.	
	Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.	
	Newton Lumber Co., Puebio, Col.	
	A. H. Revell Mfg. Co., 435 5th Av., Chicago, Ill.	
	J. Gibb Smith & Co., New Haven, Conn.	
	Union School Furniture Co., Battle Creek, Mich.	
	T. M. Walker & Co., Springfield, Mass.	
F. OIL CABINETS.	New York Oil Cabinet Co., 180 Cherry St., New York.	
G. ROLL PAPER HOLDERS.	Albany Perforated Wrapping Paper Co., Albany, N. Y.	*76
	American Roll Paper Co., 207 N. 2d St., St. Louis, Mo.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	National Roll Paper Co., 161 W. 3d St., Cincinnati, O.	

447. FIXTURES, STORE DISPLAY.

A. BOLT & SCREW CASES.	American Bolt & Screw Case Co., Dayton, O.	
	Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.	
B. BOOT & SHOE DISPLAY FIXTURES.	J. K. Krieg & Co., 39 Warren St., New York.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	Jos. R. Palmenberg's Sons, 468 Broome St., New York.	
C. DISPLAY FIXTURES.	J. K. Krieg & Co., 39 Warren St., New York.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	Jos. R. Palmenberg's Sons, 468 Broome St., New York.	
D. DRAPING STANDS.	Globe Curtain Pole Co., Waterbury, Conn.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
	Wm. Strauss, 417 Arch St., Philadelphia, Pa.	
E. DRYGOODS DISPLAYERS.	Globe Curtain Pole Co., Waterbury, Conn.	
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
	Wrenn, Whitehurst & Co., Norfolk, Va.	
F. HATTERS' DISPLAY FIXTURES.	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
G. JEWELERS' CASES.	Herman Apel, 442 Elm St., Buffalo, N. Y.	
	Hughes & Simpson, Troy, N. Y.	
H. NEEDLE CABINETS.	Albert H. Davenport, 96 Washington St., Boston, Mass.	
I. PERFUME STANDS.	J. F. Kitchell Mfg. Co., Newark, N. J.	
J. SHADE EXHIBITORS.	Manhattan Shade Cloth Co., 456 Broome St., New York.	
K. SHOT CASES.	American Bolt & Screw Case Co., Dayton, O.	
	Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.	
L. SHOW CASES.	Jas. E. Berry, 132 Lake St., Chicago, Ill.	
	C. F. & E. Biele, 47 W. Broadway, New York.	
	Chas. R. Bodach, 160 5th Av., Chicago, Ill.	
	G. F. Culmer & Bros., Salt Lake City, Utah.	
	Exhibition Show Case Co., Erie, Pa.	
	W. S. Grove, 115 N. 4th St., Philadelphia, Pa.	
	E. Hewitt & Co., Denver, Col.	
	Kansas City Show Case Works, Kansas City, Mo.	
	Jos. Knittel, Quincy, Ill.	
	J. K. Krieg & Co., 39 Warren St., New York.	
	H. Kruse & Co., 86 Main St., Cincinnati, O.	
	H. Pauk & Sons, 502 N. Main St., St. Louis, Mo.	
	L. Paulle, Minneapolis, Minn.	
	John Phillips & Co., Detroit, Mich.	
	Pittsburgh Show Case Co., Pittsburgh, Pa.	
	F. Pollard, Cleveland, O.	
	Richard Sauer Mfg. Co., Baltimore, Md.	
	Schmitt & Bro., 70 Main St., Cincinnati, O.	
	N. & P. Scott, 448 Canal St., New York.	
	Levi F. Smith, 111 N. 4th St., Philadelphia, Pa.	
	Geo. H. Stahl, Quincy, Ill.	
M. SHOW CASES, REVOLVING.	John Danner Mfg. Co., Canton, O.	
N. SHOW CASE STANDS.	Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill	
	J. W. Fiske, 28 Park Place, New York.	
	H. Kruse & Co., 86 Main St., Cincinnati, O.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
O. SHOW FIGURES.	P. Goldsmith & Co., Covington, Ky.	
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
	Wm. Strauss, 417 Arch St., Philadelphia, Pa.	
P. SILK CABINETS.	Florence Machine Co., Florence, Mass.	

Q. SPOOL CABINETS.	R. Bliss Mfg. Co., Pawtucket, R. I.	
	Sterling Furniture Co., San Francisco, Cal.	
R. SPOOL STANDS.	Landers, Frary & Clark, New Britain, Conn.	
S. STOCKING FORMS.	Wm. Strauss, 417 Arch St., Philadelphia, Pa.	
T. UMBRELLA SHOW STANDS.	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
U. WALL PAPER EXHIBITORS.	Young & Knowles, N. Adams, Mich.	
V. WINDOW DISPLAY BRACKETS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Robert Faries, Decatur, Ill.	
	Globe Curtain Pole Co., Waterbury, Conn.	
	J. K. Krieg & Co., 39 Warren St., New York.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.	
W. WINDOW DISPLAY STANDS.	Crandall & Godley, 157 Franklin St., New York.	
	Robert Faries, Decatur, Ill.	
	Globe Curtain Pole Co., Waterbury, Conn.	
	Low Art Tile Co., Chelsea, Mass.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	Pittsburgh Brass Co., Allegheny, Pa.	
X. WINDOW TRAYS.	Hughes & Simpson, Troy, N. Y.	

448. FURNITURE.

A. ANTIQUE FURNITURE.	C. A. Aimone & Bro., 177 Prince St., New York.
B. BAMBOO FURNITURE.	C. A. Aimone & Bro., 177 Prince St., New York.
	Bamboo Mfg. Co., 70 S. Canal St., Chicago, Ill.
	O. D. Case & Co., Hartford, Conn.
	Formica & Winner, 37 S. 5th Av., New York.
	A. Meinecke & Son, Milwaukee, Wis.
	Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
	Syracuse Bamboo Furniture Co., Syracuse, N. Y.
C. BANK FURNITURE.	American Desk & Seating Co., 270 Wabash Av., Chicago, Ill
	A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
	Ketcham Furniture Co., Toledo, O.
	Manitowoc Mfg. Co., Manitowoc, Wis.
	Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
	Union School Furniture Co., Battle Creek, Mich.
D. BARBERS' FURNITURE.	Archer Mfg. Co., Rochester, N. Y.
	Gust. Knecht Mfg. Co., 38 Randolph St., Chicago, Ill
E. BRASS FURNITURE.	H. C. Hart Mfg. Co., Detroit, Mich.
	H. L. Judd & Co., 87 Chambers St., New York.
	J. F. Kitchell Mfg. Co., Newark, N. J.
	W. T. Mersereau & Co., Newark, N. J.
F. CHAMBER FURNITURE.	Adrian Furniture Co., Adrian, Mich.
	Allen & Bro., 1209 Chestnut St., Philadelphia, Pa.
	H. H. Amsden & Sons, Penacook, N. H.
	Wm. A. Berkey Furniture Co., Grand Rapids, Mich.
	Berkey & Gay Furniture Co., Grand Rapids, Mich.
	Bagby & Rivers, Baltimore, Md.
	Chattanooga Furniture Co., Chattanooga, Tenn.
	Chittenden & Eastman, Burlington, Iowa.
	Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
	Geo. T. Comins Co., Concord, N. H.
	Connersville Furniture Mfg. Co., Connersville, Ind.
	Daniels, Badger & Co., 25 Sudbury St., Boston, Mass.
	Fairfield Furniture Co., Fairfield, Me.
	Forest City Furniture Co., Rockford, Ill.
	Fort Plain Furniture Co., Fort Plain, N. Y.
	Herrmann Chamber Suit Furn. Co., 188 Mott St., New York.
	Donald Kennedy & Son, Minneapolis, Minn.
	Kremier & Bro. Co., 9th & Carr Sts., Cincinnati, O.
	Merriam, Hall & Co., N. Leominster, Mass.
	Neillsville Mfg. Co., Neillsville, Wis.
	Nelson, Matter & Co., Grand Rapids, Mich.
	John A. Otto's Sons, Williamsport, Pa.
	Josiah Partridge, 360 Pearl St., New York.
	Pottier, Stymus & Co., 375 Lexington Av., New York.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
	G. Vollmer & Son, 1108 Chestnut St., Philadelphia, Pa.
	Williamsport Furniture Co., Williamsport, Pa.
	Martin Worn & Sons, Humboldt & Seigel Sts., Brooklyn, N. Y.
G. CHURCH FURNITURE.	American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
	A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
	Andrews Mfg. Co., 74 5th Av., New York.
	C. B. Demarest & Co., 272 Kent St., Brooklyn, N. Y.
	J. & R. Lamb, 59 Carmine St., New York.
	J. W. Mason & Co., 375 Pearl St., New York.
	Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.

Paine's Furniture Co., 48 Canal St., Boston, Mass.
A. B. & E. L. Shaw, 27 Sudbury St., Boston, Mass.
Stoltzenberg & Co., 53 Barclay St., New York.
Winkler Furniture Co., Lexington, Mo.

H. COTTAGE FURNITURE.
Abernathy Furniture Co., Kansas City, Mo.
Alexandria Mfg. Co., Alexandria, Minn.
A. E. Barnes & Bro., 198 Canal St., New York.
Boyd & Baxter Furniture Factory, Atlanta, Ga.
Capital Furniture Co., Sacramento, Cal.
Hayden Furniture Co., Rochester, N. Y.
Chas. Hollander & Sons, Baltimore, Md.
L. H. Josselyn & Co., Manchester, N. H.
Julius Keppler, 121 N. 2d St., Philadelphia, Pa.
Kline Bros. & Co., Williamsport, Pa.
Lockhaven Furniture Co., Lockhaven, Pa.
J. W. Mason & Co., 375 Pearl St., New York.
Josiah Partridge, 360 Pearl St., New York.
Staunton Furniture Mfg. Co., Staunton, Va.
Thos. Trefry & Co., 72 Fulton St., Boston, Mass.
Upham Mfg. Co., Marshfield, Wis.
Williamsport Furniture Co., Williamsport, Pa.
Worden Furniture Co., Grand Rapids, Mich.

I. COURT HOUSE FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.

J. DENTISTS' FURNITURE.
Archer Mfg. Co., Rochester, N. Y.
Canton Surgical & Dental Chair Co., Canton, O. *2
Manitowoc Mfg. Co., Manitowoc, Wis.
Sargent Mfg. Co., 814 Broadway, New York.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

K. DINING ROOM FURNITURE.
Allen & Bro., 1209 Chestnut St., Philadelphia, Pa.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Copeland & Durgin, Rochester, N. Y.
Daniels, Badger & Co., 25 Sudbury St., Boston, Mass.
Herrmann Dining Room Furniture Co., 197 Mott St., New York.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Rohmann & Hillman, 345 Adams St., Brooklyn, N. Y.
G. Vollmer & Son, 1108 Chestnut St., Philadelphia, Pa.
Williamsport Furniture Co., Williamsport, Pa.

L. FANCY FURNITURE.
Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Brown & Abeel, Syracuse, N. Y. *252
Herts Bros., 896 Broadway, New York.
Edward Jansen, 124 W. 19th St., New York.
McCracken & Hall, 223 S. 2d St., Philadelphia, Pa.
M. Ohmer's Sons, Dayton, O.
Oriel Cabinet Co., Grand Rapids, Mich.
Frank Rhoner & Co., 440 E. 23d St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
G. Winneberger & Son, 252 S. 3d St., Philadelphia, Pa.

M. HALL FURNITURE.
C. G. Akam Mfg. Co., 22 Adams St., Chicago, Ill.
Allen & Bro., 1209 Chestnut St., Philadelphia, Pa.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Wm. A. Berkey Furniture Co., Grand Rapids, Mich.
Manitowoc Mfg. Co., Manitowoc, Wis.
F. Mohr & Co., 50 Elizabeth St., New York.
Frank Rhoner & Co., 440 E. 23d St., New York.
F. Vogel & Co., 226 E. 37th St., New York.
G. Vollmer & Son, 1108 Chestnut St., Philadelphia, Pa.

N. IRON FURNITURE.
J. W. Fiske, 28 Park Place, New York.
Howard & Morse, 45 Fulton St., New York.

O. KITCHEN FURNITURE.
Aude Furniture Co., 16th St. & Cass Av., St. Louis, Mo.
Bagby & Rivers, Baltimore, Md.
Thos. P. Beals & Co., Portland, Me.
Charlotte Mfg. Co., Charlotte, Mich.
Fairfield Furniture Co., Fairfield, Me.
Hudson Furniture Co., Hudson, Wis.
Johnson & Hansen, 87 W. Erie St., Chicago, Ill.
Mattoon Mfg. Co., 224 Wabash Av., Chicago, Ill.
Nappanee Furniture Co., Nappanee, Ind.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Waterville Furniture Factory, Waterville, Minn.

P. LIBRARY FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Hemmer Bros., Newark, N. J.
Liesenbein Bros., 224 E. 42d St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.

Frank Rhoner & Co., 435 E. 22d St., New York.
T. G. Sellew, 111 Fulton St., New York.

Q. LODGE FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
Forsythe & Co., 129 Degraw St., Brooklyn, N. Y.
J. & R. Lamb, 59 Carmine St., New York.
J. W. Mason & Co., 375 Pearl St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.

R. OFFICE FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.
Central Mfg. Co., 37 Armour St., Chicago, Ill.
A. Cutler & Son, Buffalo, N. Y.
Derby & Kilmer Desk Co., 93 Causeway St., Boston, Mass.
J. Dornette & Bro., 140 Harrison Av., Cincinnati, O.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Hemmer Bros., Newark, N. J.
Manitowoc Mfg. Co., Manitowoc, Wis.
Newton Lumber Co., Pueblo, Col.
Niemann & Weinhardt Table Co., 400 N. Wood St., Chicago, Ill.
A. H. Revell & Co., cor. 5th Av. & Randolph St., Chicago, Ill.
Wm. Schwarzwaelder & Co., 259 Pearl St., New York.
T. G. Sellew, 111 Fulton St., New York.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
T. M. Walker & Co., Springfield, Mass.

S. PARLOR FURNITURE.
Allen & Bro., 1209 Chestnut St., Philadelphia, Pa.
Bodenstein & Kuemmerle, Lawrence & Girard Sts., Phila., Pa.
Carman & Schmitt Mfg. Co., Des Moines, Iowa.
Chattanooga Furniture Co., Chattanooga, Tenn.
J. N. Crane, cor. 4th St. & Washington Av., St. Louis, Mo.
Excelsior Furniture Co., Rockford, Ill.
Hafner & Schoen, 265 S. Canal St., Chicago, Ill.
Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
G. Henshaw & Sons, Canal & Elm Sts., Cincinnati, O.
Chas. Kaiper, 120 W. 2d St., Cincinnati, O.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
Thos. Madden, Son & Co., Indianapolis, Ind.
F. Mohr & Co., 50 Elizabeth St., New York.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Palmer & Embury, 22 E. 18th St., New York.
Pierce & Bushnell Mfg. Co., New Bedford, Mass.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
Frank Rhoner & Co., 435 E. 22d St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Otto Stechhan & Co., Indianapolis, Ind.
Streit & Schmit, Hopkins & Harriet Sts., Cincinnati, O.
F. Vogel & Co., 82 Bowery, New York.
G. Vollmer & Sons, 1108 Chestnut St., Philadelphia, Pa.
Chas. P. Whittle, 35 Fulton St., Boston, Mass.
S. G. Wilkins & Co., 15 Lake St., Chicago, Ill.

T. POST OFFICE FURNITURE.
Union School Furniture Co., Battle Creek, Mich.

U. PUBLIC BUILDING FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Anderson & Co., 215 Wabash Av., Chicago, Ill.
Ketcham Furniture Co., Toledo, O.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.

V. RATTAN & REED FURNITURE.
Conant & Bush, Gardner, Mass.
J. S. Ford, Johnson & Co., 302 Wabash Av., Chicago, Ill.
Gendron Iron Wheel Co., Toledo, O.
Heywood Bros. & Co., 195 Canal St., New York.
New Haven Rattan Co., New Haven, Conn.
Valley City Rattan Co., Grand Rapids, Mich.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

W. SCHOOL FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Burlington School Furniture Co., Burlington, Iowa.
Frost Veneer Seating Co., Sheboygan, Wis.
Thos. Kane & Co., 137 Wabash Av., Chicago, Ill.
Manitowoc Mfg. Co., Manitowoc, Wis.
Racine Hardware Mfg. Co., Racine, Wis.
Sidney School Furniture Co., Sidney, O. *5
S. A. Smith & Co., Brattleboro, Vt. *102
Union School Furniture Co., Battle Creek, Mich.

X. SPIRAL FURNITURE.
Alpha Mfg. Co., 247 Sycamore St., Cincinnati, O.

Hayden Furniture Co., Rochester, N. Y.
Lottman Bros., Houston, Tex.
Merklen Bros., 157 Goerck St., New York.

Y. STUDIO FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
C. A. Schindler, West Hoboken, N. J.

Z. THEATRE FURNITURE.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.

AA. UPHOLSTERED FURNITURE.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Carman & Schmitt Mfg. Co., Des Moines, Iowa.
Excelsior Furniture Co., Rockford, Ill.
Hafner & Schoen Furniture Co., 265 S. Canal St., Chicago, Ill.
Hale & Co., 304 Pearl St., New York.
J. W. Mason & Co., 375 Pearl St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
F. Mohr & Co., 50 Elizabeth St., New York.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Alex. H. Revell & Co., c. 5th Av. & Randolph St., Chicago, Ill.
M. & H. Schrenkeisen, 164 Monroe St., New York.
A. C. Schmidt & Co., 120 Illinois St., Chicago, Ill.
Windsor Folding Bed Co., Carroll Av. c. Sheldon St., Chicago, Ill.

449. HALL RACKS.

A. HAT & COAT RACKS.
F. W. Alms Mfg. Co., 15 Buckeye St., Cincinnati, O.
Leo. Austrian & Co., 45 Huron St., Chicago, Ill.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brown & Abeel, Syracuse, N. Y. *252
W. J. Clark & Co., Salem, O. *121
Copeland & Durgin, Rochester, N. Y.
H. T. Cushman Mfg. Co., N. Bennington, Vt.
Ehman & Simon Mfg. Co., Fulton c. Elizabeth Sts., Chicago, Ill.
J. W. Fiske, 28 Park Place, New York.
Fletcher & Webster Furniture Co., Nashua, N. H.
Alfred B. Hauck, Lebanon, Pa.
Andrew Homan Co., 440 Water St., New York.
Landers, Frary & Clark, New Britain, Conn.
L. H. Mace & Co., 111 E. Houston St., New York.
F. Mohr & Co., 50 Elizabeth St., New York.
Nelson, Matter & Co., Grand Rapids, Mich.
Palmer Mfg. Co., 290 Pearl St., New York.
Phœnix Mfg. Co., 289 W. 2d St., Cincinnati, O.
R. E. Pohle, 316 S. Clinton St., Chicago, Ill.
E. Schloss & Co., 153 Goerck St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Sextro Furn. Co., 60 Riddle St., Cincinnati, O.
Spiegel, Thoms & Co., Indianapolis, Ind.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Udell Wooden Ware Wks., Indianapolis, Ind.
Universal Tripod Co., Grand Rapids, Mich.
F. Vogel & Co., 226 E. 37th St., New York.
F. Wenter, 261 Wabash Av., Chicago, Ill.
Wrampelmeier Furniture Mfg. Co., Louisville, Ky.

B. HAT & COAT RACKS, BRASS.
H. L. Judd & Co., 87 Chambers St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
W. T. Mersereau & Co., Newark, N. J.

C. HAT & COAT RACKS, FOLDING.
Fletcher & Webster Furn. Co., Nashua, N. H.
Hale & Co., 304 Pearl St., New York.
J. W. Mason & Co., 375 Pearl St., New York.
St. Anthony Furniture Co., St. Anthony, Minn.
Towel Rack Novelty Mfg. Co., Providence, R. I.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

450. HALL SEATS.
Am. Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Milwaukee Chair Co., Milwaukee, Wis.
Frank Rhoner & Co., 435 E. 22d St., New York.
F. Vogel & Co., 82 Bowery, New York.

451. LOUNGES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Buffalo Upholstery Co., Buffalo, N. Y.
Carman & Schmitt Mfg. Co., Des Moines, Iowa.
Copeland & Durgin, Rochester, N. Y.
Albert H. Davenport, 96 Washington St., Boston, Mass.
Excelsior Furniture Co., Rockford, Ill.
Hafner & Schoen, 265 S. Canal St., Chicago, Ill.
Nelson Holland, Buffalo, N. Y.
Johnson Chair Co., 255 N. Green St., Chicago, Ill.

Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
Thos. Madden, Son & Co., Indianapolis, Ind.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
H. Rikhoff & Co., 11 Franklin St., Cincinnati, O.
Frank Rhoner & Co., 435 E. 22d St., New York.
Rohmann & Hillman, 345 Adams St., Brooklyn, N. Y.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
M. & H. Schrenkeisen, 23 Elizabeth St., New York.
Southern Furniture Co., Atlanta, Ga.
Otto Stechhan & Co., Indianapolis, Ind.
Streit & Schmit, Hopkins & Harriet Sts., Cincinnati, O.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

A. BED LOUNGES.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Carman & Schmitt Mfg. Co., Des Moines, Iowa.
Champion Bed Lounge Co., Chillicothe, O.
Michael Clune, Indianapolis, Ind.
J. W. Mason & Co., 375 Pearl St., New York.
McLeod & Smith, Minneapolis, Minn.
A. H. Revell & Co., cor. 5th Av. & Randolph St., Chicago, Ill.
Streit & Schmit, Hopkins & Harriet Sts., Cincinnati, O.

452. MIRRORS, FRAMED.
Leo. Austrian & Co., 45 Huron St., Chicago, Ill.
B. L. Anderson & Co., 45 W. Jackson St., Chicago, Ill.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Fletcher & Webster Furniture Co., Nashua, N. H.
J. J. Gillespie & Co., Pittsburgh, Pa.
Hargreaves Mfg. Co., Detroit, Mich.
Isaac Kaufmann & Bro., 496 Broadway, New York.
Lewis Pattberg & Bro., Jersey City, N. J.
Schneider & Fuchs, 311 St. Paul St., Baltimore, Md.
Chas. Urban, 101 Mott St., New York.

A. CHEVAL GLASSES.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.
Wm. C. Doscher Mfg. Co., 404 E. 14th St., New York.
Durfee, Smith & Barber, 9 Bond St., New York.
Herter Bros., 154 5th Av., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
Merklen Bros., 157 Goerck St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Nelson, Matter & Co., Grand Rapids, Mich.
Pottier, Stymus & Co., 375 Lexington Av., New York.
Geo. W. Straight, 392 Hudson St., New York.
Whittemore Bros., 579 Broadway, New York.

B. CONVEX MIRRORS.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.

C. FOLDING MIRRORS.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.

D. FOOT MIRRORS.
Denzi & Phillips, 24 Dey St., New York.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.

E. HALL MIRRORS.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.
Durfee, Smith & Barber, 9 Bond St., New York.
Herter Bros., 154 5th Av., New York.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
Pottier, Stymus & Co., 375 Lexington Av., New York.
F. Vogel & Co., 82 Bowery, New York.
Whittemore Bros., 579 Broadway, New York.

F. PIER MIRRORS.
B. L. Anderson & Co., 45 W. Jackson St., Chicago, Ill.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.
Durfee, Smith & Barber, 9 Bond St., New York.
Herter Bros., 154 5th Av., New York.
Pottier, Stymus & Co., 375 Lexington Av., New York.
Whittemore Bros., 579 Broadway, New York.

G. MANTEL MIRRORS.
B. L. Anderson & Co., 45 W. Jackson St., Chicago, Ill.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.
Herter Bros., 154 5th Av., New York.
Pottier, Stymus & Co., 375 Lexington Av., New York.

453. OTTOMANS.
Archer Mfg. Co., Rochester, N. Y.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Cleveland Ottoman & Hassock Co., Cleveland, O.
McLeod & Smith, Minneapolis, Minn.

A. BRASS OTTOMANS.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.
N. Y. Brass Furniture Co., 39 Union Sq., New York.

454. PARLOR SUITS.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Buffalo Furniture Co., Buffalo, N. Y.
Carman & Schmitt Mfg. Co., Des Moines, Iowa.
Michael Clune, Indianapolis, Ind.
Excelsior Furniture Co., Rockford, Ill.

McLeod & Smith, Minneapolis, Minn.
F. Mohr & Co., 50 Elizabeth St., New York.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Frank Rhoner & Co., 435 E. 22d St., New York.
Rohmann & Hillman, 345 Adams St., Brooklyn, N. Y.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Otto Stechhan & Co., Indianapolis, Ind.

A. RATTAN PARLOR SUITS.
Heywood Bros., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

455. PEDESTALS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Merklen Bros., 157 Goerck St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Oriel Cabinet Co., Grand Rapids, Mich.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Geo. W. Smith & Co., 3907 Powelton Av., Philadelphia, Pa.

A. BRASS PEDESTALS.
H. L. Judd & Co., 87 Chambers St., New York.
Pittsburgh Brass Co., Allegheny, Pa.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

456. RACKS, HANGING.
Bamboo Mfg. Co., 70 S. Canal St., Chicago, Ill.
L. H. Mace & Co., 111 E. Houston St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Towel Rack Novelty Mfg. Co., Providence, R. I.
Universal Tripod Co., Grand Rapids, Mich.

457. REFRIGERATORS.
Belding Mfg. Co., Belding, Mich.
H. F. Brammer Mfg. Co., Davenport, Iowa.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Darius Eddy & Son, 336 Adams St., Boston, Mass.
E. S. Farson Mfg. Co., 222 Dock St., Philadelphia, Pa.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
W. E. Hall & Co., 24 Richmond St., Philadelphia, Pa.
Heinz & Munschauer, Buffalo, N. Y.
H. Hoefer & Co., Dayton, O.
John C. Jewett Mfg. Co., Buffalo, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.
Maine Mfg. Co., Fairfield, Me.
Missouri Refrigerator Mfg. Co., 909 S. 22d St., St. Louis, Mo.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Geo. N. Pierce & Co., Buffalo, N. Y.
Racine Hardware Mfg. Co., Racine, Wis.
Ridgway Refrigerator Mfg. Co., 813 Arch St., Philadelphia, Pa.
St. Louis Refrigerator & Wooden Gutter Co., St. Louis, Mo.
G. M. Shirk Mfg. Co., 112 Lake St., Chicago, Ill.
Geo. H. Stahl, Quincy, Ill.
B. A. Stevens, Toledo, O.
Peter A. Vogt, Buffalo, N. Y.
Jos. W. Wayne, 124 Main St., Cincinnati, O.

A. BEER COOLERS.
Anthony Reisert & Fred. Orth, 181 Prince St., New York.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
Hermann Strater & Sons, 74 Sudbury St., Boston, Mass.
Peter A. Vogt, Buffalo, N. Y.
Jos. W. Wayne, 124 Main St., Cincinnati, O.

B. BUTCHERS' REFRIGERATORS.
Belding Mfg. Co., Belding, Mich.
Francis Keil, 162 E. 53d St., New York.
G. M. Shirk Mfg. Co., 112 Lake St., Chicago, Ill.

C. GROCERS' REFRIGERATORS.
Belding Mfg. Co., Belding, Mich.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
G. M. Shirk Mfg. Co., 112 Lake St., Chicago, Ill.

458. RESTS.

A. FOOT RESTS.
Boston Fancy Cabinet Co., 61 Haverhill St., Boston, Mass.
Fletcher & Webster Furniture Co., Nashua, N. H.
Andrew Homan Co., 440 Water St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
McLeod & Smith, Minneapolis, Minn.

B. HEAD RESTS.
Johnson & Lund, 620 Race St., Philadelphia, Pa.

C. INVALID BACK RESTS.
L. H. Mace & Co., 111 Houston St., New York.
J. W. Mason & Co., 373 Pearl St., New York.
Sargent Mfg. Co., 814 Broadway, New York.
Herbert S. Smith, 81 John St., New York.

D. LEG RESTS.
Sargent Mfg. Co., 814 Broadway, New York.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

459. SCREENS.

A. BAMBOO SCREENS.
C. A. Aimone & Bro., 177 Prince St., New York.
Formica & Winner, 87 S. 5th Av., New York.
A. Meinecke & Son, Milwaukee, Wis.

B. FIRE SCREENS.
Ballman-Hugenberg Co., 84 Livingston St., Cincinnati, O.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. & R. Lamb, 59 Carmine St., New York.
Charles Lersch, 516 E. 17th St., New York.
M. H. Schrenkeisen, 164 Monroe St., New York.

C. FIRE SCREENS, BRASS.
H. L. Judd & Co., 87 Chambers St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
J. & R. Lamb, 59 Carmine St., New York.
Matthews & Willard Co., Waterbury, Conn.
Pittsburgh Brass Co., Allegheny, Pa.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

D. FOLDING SCREENS, REED & RATTAN.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

E. GLASS SCREENS.
Denzi & Phillips, 24 Dey St., New York.

F. SCREEN PANELS.
Union School Furniture Co., Battle Creek, Mich.

G. SCREEN STANDS.
Keenan Bros. Mfg. Co., 200 E. Washington St., Chicago, Ill.
Pittsburgh Brass Co., Allegheny, Pa.

H. STAINED GLASS SCREENS.
J. & R. Lamb, 59 Carmine St., New York.

460. SECRETARIES.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Forest City Furniture Co., Rockford, Ill.
Hemmer Bros., Newark, N. J.
Lewis-Porter Cabinet Co., Indianapolis, Ind.
Linwood Furniture Co., Linwood, O.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Nelson, Matter & Co., Grand Rapids, Mich.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Universal Tripod Co., Grand Rapids, Mich.
Wrampelmeier Furniture Mfg. Co., Louisville, Ky.

461. SETTEES.

American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.
C. O. Colligon, 181 Canal St., New York.
Forsythe & Co., 129 Degraw St., Brooklyn, N. Y.
Frost Veneer Seating Co., Sheboygan, Wis.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
F. H. Logeman Chair Co., 2000 N. Main St., St. Louis, Mo.
Josiah Partridge, 360 Pearl St., New York.
M. & H. Schrenkeisen, 23 Elizabeth St., New York.
S. A. Smith & Co., Brattleboro, Vt. *102
Union School Furniture Co., Battle Creek, Mich.

A. FOLDING SETTEES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.
C. B. Demarest & Co., 272 Kent Av., Brooklyn, N. Y.
Sterling Furniture Co., San Francisco, Cal.

B. HALL SETTEES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.
Delaware Chair Co., Delaware, O. *1
Grand Rapids School Furniture Co., Grand Rapids, Mich.
F. Vogel & Co., 226 E. 37th St., New York.

C. IRON SETTEES.
Champion Iron Co., Kenton, O.
J. W. Fiske, 28 Park Place, New York.
J. H. Van Dorn, Cleveland, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

D. LAWN SETTEES.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Buckstaff, Edwards & Co., Oshkosh, Wis.
Crocker Chair Co., Sheboygan, Wis.
A. B. Farquhar & Co., York, Pa.
J. W. Fiske, 28 Park Place, New York.
Fletcher & Webster Furniture Co., Nashua, N. H.
Johnson Chair Co., 225 N. Green St., Chicago, Ill.
Maine Mfg. Co., Fairfield, Me.
Mann Bros., Milwaukee, Wis.
Minneapolis Wire Works Co., Minneapolis, Minn.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Sedgwick Bros., Richmond, Ind.

E. RATTAN SETTEES.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

F. REVERSIBLE SETTEES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
A. H. Anderson, 215 Wabash Av., Chicago, Ill.

Buffalo School Furniture Co., Buffalo, N. Y.

G. SHOE STORE SETTEES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

H. VENEER SETTEES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Frost Veneer Seating Co., Sheboygan, Wis.

I. WIRE SETTEES.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.

462. SIDEBOARDS.

Ambrose E. Barnes, 198 Canal St., New York.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Carrollton Furniture Mfg. Co., Carrollton, Ky.
Chittenden & Eastman, Burlington, Iowa.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Connersville Furniture Mfg. Co., Connersville, Ind.
Copeland & Durgin, Rochester, N. Y.
Daniels, Badger & Co., 25 Sudbury St., Boston, Mass.
J. W. Davis Furniture Co., Louisville, Ky.
Forest City Furniture Co., Rockford, Ill.
Fort Plain Furniture Co., Fort Plain, N. Y.
Hawks Furniture Co., Goshen, Ind.
Herrmann Dining Room Furniture Co., 197 Mott St., New York.
Indiana Furniture Mfg. Co., Connersville, Ind.
Kreimer & Bro. Co., 9th & Carr Sts., Cincinnati, O.
Donald Kennedy & Son, Minneapolis, Minn.
Langslow, Fowler & Co., Rochester, N. Y.
Lewis-Porter Cabinet Co., Indianapolis, Ind.
Linwood Furniture Co., Linwood, O.
Luger Furniture Co., North St. Paul, Minn.
Thos. Madden, Son & Co., Indianapolis, Ind.
Mattoon Mfg. Co., Sheboygan, Wis.
Ohio Furniture Co., Columbus, O.
John A. Otto's Sons, Williamsport, Pa.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Josiah Partridge, 368 Pearl St., New York.
Sligh Furniture Co., Grand Rapids, Mich.
Widdicomb Furniture Co., Grand Rapids, Mich.
H. H. Wiggers & Sons Furniture Co., 457 Plum St., Cincinnati, O.
Williamsport Furniture Co., Williamsport, Pa.
Martin Worn & Sons, Humboldt & Seigel Sts., Brooklyn, N. Y.

463. SOFAS.

Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Albert H. Davenport, 96 Washington St., Boston, Mass.
Henry Fuldner, 327 Av. A., New York.
Alex. H. Revell & Co., cor. 5th Av. & Randolph St., Chicago, Ill.
Frank Rhoner & Co., 435 E. 22d St., New York.
Chas. Urban, 101 Mott St., New York.

A. BAMBOO SOFAS.
C. A. Aimone & Bro., 177 Prince St., New York.
Bamboo Mfg. Co., 70 S. Canal St., Chicago, Ill.
Formica & Winner, 37 S. 5th Av., New York.

B. OFFICE SOFAS.
American Desk & Seating Co., 108 Quincy St., Chicago, Ill.
Union School Furn. Co., Battle Creek, Mich.

C. RATTAN SOFAS.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

464. STANDS.

A. BRACKET STANDS.
A. Meinecke & Son, Milwaukee, Wis.
H. H. Wigger's & Sons, 457 Plum St., Cincinnati, O.

B. BUTLERS' STANDS.
L. H. Mace & Co., 111 E. Houston St., New York.

C. COPYING PRESS STANDS.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Derby & Kilmer Desk Co., 93 Causeway St., Boston, Mass.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Hemmer Bros., Newark, N. J.
R. Hoe & Co, 504 Grand St., New York.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Thos. Kelsall Co., McLean Av. & Richmond St., Cincinnati, O.
Union School Furn. Co., Battle Creek, Mich.

D. FLOWER STANDS.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
J. W. Fiske, 28 Park Place, New York.
Fletcher & Webster Furniture Co., Nashua, N. H.
J. F. Kitchell Mfg. Co., Newark, N. J.
L. H. Mace & Co., 111 E. Houston St., New York.
Meriden Britannia Co., Meriden, Conn.
Minneapolis Wire Works, Minneapolis, Minn.
Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.

E. HALL STANDS.	Berkey & Gay Furniture Co., Grand Rapids, Mich.
	Albert H. Davenport, 96 Washington St., Boston, Mass.
	Herrmann Dining Room Furniture Co., 197 Mott St., New York.
	Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
	F. Mohr & Co., 50 Elizabeth St., New York.
	Nelson, Matter & Co., Grand Rapids, Mich.
	Frank Rhoner & Co., 435 E. 22d St., New York.
	M. & H. Schrenkeisen, 164 Monroe St., New York.
	F. Vogel & Co., 82 Bowery, New York.
	Martin Worn & Sons, Humboldt & Siegel Sts., Brooklyn, N. Y.
F. LIGHT STANDS.	Merriam, Hall & Co., N. Leominster, Mass.
G. MUSIC STANDS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	Brown & Abeel, Syracuse, N. Y. *252
	H. T. Cushman Mfg. Co., N. Bennington, Vt.
	J. W. Fiske, 28 Park Place, New York.
	Neppert Bros., 390 Canal St., New York.
	Charles Lersch, 516 E. 17th St., New York.
	M. & H. Schrenkeisen, 164 Monroe St., New York.
	Union School Furniture Co., Battle Creek, Mich.
	F. Wenter, 261 Wabash Av., Chicago, Ill.
H. MUSIC STANDS, BRASS.	J. S. Conover & Co., 30 W. 23d St., New York.
	Bradley & Hubbard Mfg. Co., Meriden, Conn.
I. MUSIC STANDS, RATTAN.	Heywood Bros. & Co., Gardner, Mass.
	Wakefield Rattan Co., 115 Washington St., Boston, Mass.
J. READING STANDS.	Holloway Reading Stand Co., Cuyahoga Falls, O.
K. SHAVING STANDS.	Copeland & Durgin, Rochester, N. Y.
	Albert H. Davenport, 96 Washington St., Boston, Mass.
	Paine's Furniture Co., 48 Canal St., Boston, Mass.
	Universal Tripod Co., Grand Rapids, Mich.
L. SHAVING STANDS, BRASS.	H. L. Judd & Co., 87 Chambers St., New York.
	W. T. Mersereau & Co., Newark, N. J.
M. WORK STANDS.	A. Meinecke & Son, Milwaukee, Wis.
	Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
N. WORK STANDS, RATTAN.	Heywood Bros. & Co., Gardner, Mass.
	Wakefield Rattan Co., 115 Washington St., Boston, Mass.

465. STOOLS.

A. CAMP STOOLS.	J. W. Dann Mfg. Co., Columbus, O.
	Fletcher & Webster Furniture Co., Nashua, N. H.
	Grand Rapids Mattress Co., Grand Rapids, Mich.
	J. W. Mason & Co., 375 Pearl St., New York.
	Missouri Tent & Awning Co., 218 Chestnut St., St. Louis, Mo.
	Alfred E. Stacey, Elbridge, N. Y.
B. FOLDING STOOLS.	A. L. Adams, Cedar Rapids, Iowa.
	Armstrong Mfg. Co., Bridgeport, Conn. *154
	J. W. Dann Mfg. Co., Columbus, O.
	Lang & Lovejoy, Albany, N. Y.
C. FOOT STOOLS.	Bub & Kipp, 115 Huron St., Milwaukee, Wis.
	McLeod & Smith, Minneapolis, Minn.
	Mann Bros., Milwaukee, Wis.
	Wm. Prufrock, 1108 Olive St., St. Louis, Mo.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
	Union City Chair Co., Union City, Pa.
D. FOOT STOOLS, BRASS.	H. L. Judd & Co., 87 Chambers St., New York.
	W. T. Mersereau & Co., Newark, N. J.
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.
E. FOOT STOOLS, RATTAN.	Heywood Bros. & Co., Gardner, Mass
	Wakefield Rattan Co., 115 Washington St., Boston, Mass.
F. OFFICE STOOLS.	American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
	Crocker Chair Co., Sheboygan, Wis.
	J. W. Fiske, 28 Park Place, New York.
	Johnson Chair Co., 255 N. Green St., Chicago, Ill.
	F. H. Logeman Chair Mfg. Co., 2000 N. Main St., St. Louis, Mo.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
G. ORGAN STOOLS.	Alvord & Spear Mfg. Co., Torrington, Conn.
	Chicago Cottage Organ Co., 215 Wabash Av., Chicago, Ill.
	Heap's Patent Earth Closet Co., Muskegon, Mich.
H. PIANO STOOLS.	Alvord & Spear Mfg. Co., Torrington, Conn.
	Archer Mfg. Co., Rochester, N. Y.
	Bub & Kipp, 115 Huron St., Milwaukee, Wis.
	Heap's Patent Earth Closet Co., Muskegon, Mich.
	W. W. Kimball Co., 243 Wabash Av., Chicago, Ill.
	T. F. Kraemer & Co., Steinway, L. I., N. Y.
	Lyon & Healy, 156 State St., Chicago, Ill.
	Merklen Bros., 157 Goerck St., New York.
	Neppert Bros., 390 Canal St., New York.

Paine's Furniture Co., 48 Canal St., Boston, Mass.
M. & H. Schrenkeisen, 164 Monroe St., New York.

I. PIANO STOOLS, BRASS.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.

J. SHOE STOOLS.
Denzi & Phillips, 24 Dey St., New York.

K. STORE STOOLS.
Alvord & Spear Mfg. Co., Torrington, Conn.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Archer Mfg. Co., Rochester, N. Y.
Bub & Kipp, 115 Huron St., Milwaukee, Wis.
Crocker Chair Co., Sheboygan, Wis.
John Danner Mfg. Co., Canton, O.
Neppert Bros., 390 Canal St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Sterling Furniture Co., San Francisco, Cal.

466. SWING DOORS.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

467. TABLES.

A. ADJUSTABLE OFFICE TABLES.
Canton Cabinet Filing Case Co., Canton, O.
C. Rittenhouse & Sons, Norristown, Pa.

B. BRASS TABLES.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. S. Conover & Co., 30 W. 23d St., New York.
Horn, Brannen & Forsyth Mfg. Co., 427 N. Broad St., Phila., Pa.
J. Kitchell Mfg. Co., Newark, N. J.
Manhattan Brass Co., 338 E. 28th St., New York.
W. T. Mersereau & Co., Newark, N. J.
Pittsburgh Brass Co., Allegheny, Pa.
Rochester Lamp Co., 37 Barclay St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

C. CARD TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
F. H. Conant's Sons, Camden, N. Y.
A. H. Davenport, 96 Washington St., Boston, Mass.
Chas. H. Gilman & Co., 86 Washington St., Boston, Mass.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Frank Rhoner & Co., 440 E. 23d St., New York.
St. Anthony Furniture Co., St. Anthony, Minn.
S. A. Smith & Co., Brattleboro, Vt. *102

D. CENTRE TABLES.
F. W. Alms Mfg. Co., 15 Clifton Av., Cincinnati, O.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Wm. A. Berkey Furniture Co., Grand Rapids, Mich.
Campbell & Co., Chattanooga, Tenn.
Chittendon & Eastman, Burlington, Iowa.
Fletcher & Webster Furniture Co., Nashua, N. H.
C. H. Haberkorn & Co., Detroit, Mich.
Kent Furniture Mfg. Co., Grand Rapids, Mich.
Kilborn, Whitman & Co., 46 Canal St., Boston, Mass.
Marietta Chair Co., Marietta, O.
Mattoon Mfg. Co., Sheboygan, Wis.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
E. Schloss & Co., 211 Canal St., New York.
M. & H. Schrenkeisen, 164 Monroe St., New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Sextro Furniture Co., 60 Riddle St., Cincinnati, O.
Stow & Davis Furniture Co., Grand Rapids, Mich.
F. Vogel & Co., 82 Bowery, New York.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

E. COFFEE TABLES.
A. H. Davenport, 96 Washington St., Boston, Mass.
J. W. Fiske, 28 Park Place, New York.

F. CUTTING TABLES.
F. Woehr, 130 Worth St., New York.

G. DIRECTORS' TABLES.
Hemmer Bros., Newark, N. J.

H. DRAWING TABLES.
Keuffel & Esser Co., 127 Fulton St., New York.

I. DRESSING TABLES.
Chattanooga Furniture Co., Chattanooga, Tenn.
A. H. Davenport, 96 Washington St., Boston, Mass.
Merklen Bros., 157 Goerck St., New York.
W. T. Mersereau & Co., Newark, N. J.

J. DROP LEAF TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Buffalo School Furniture Co., Buffalo, N. Y.
Copeland & Durgin, Rochester, N. Y.
Schelosky & Son, Evansville, Ind.
St. Johns Mfg. Co., St. Johns, Mich.

K. EXTENSION TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Ambrose E. Barnes & Bro., 198 Canal St., New York.
Berkey & Gay Furniture Co., Grand Rapids, Mich.
Buffalo School Furniture Co., Buffalo, N. Y.

Campbell & Co., Chattanooga, Tenn.
Central Furniture Co., Rockford, Ill.
Chattanooga Furniture Co., Chattanooga, Tenn.
Copeland & Durgin, Rochester, N. Y.
Forest City Furniture Co., Rockford, Ill.
Henry Fuldner, 327 Avenue A, New York.
N. T. Hill, Portland, Me.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Indianapolis Cabinet Makers Union, Indianapolis, Ind.
C. W. Lyman & Co., 71 Kilby St., Boston, Mass. *242
Mattoon Mfg. Co., Sheboygan, Wis.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Oneonta Table Co., Oneonta, N. Y.
Pellett Table Co., Flint, Mich.
Phœnix Furniture Co., Grand Rapids, Mich.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Sextro Furniture Co., 60 Riddle St., Cincinnati, O.
Spencer & Barnes, Buchanan, Mich.
Spiegel, Thoms & Co., Indianapolis, Ind.
St. Anthony Furniture Co., St. Anthony, Minn.
St. Johns Mfg. Co., St. Johns, Mich.
Stow & Davis Furniture Co., Grand Rapids, Mich.
Wilson & Robotham, Syracuse, N. Y.

L. FANCY TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Donald, Kennedy & Son, Minneapolis, Minn.
J. W. Fiske, 28 Park Place, New York.
Herrmann Dining Room Furniture Co., 197 Mott St., New York.
Chas. Lersch, 516 E. 17th St., New York.
Mattoon Mfg. Co., Sheboygan, Wis.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Sterling Furniture Co., San Francisco, Cal.

M. FOLDING TABLES.
A. L. Adams, Cedar Rapids, Iowa.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Fletcher & Webster Furniture Co., Nashua, N. H.
Folding Chair & Table Co., Grand Rapids, Mich.
Grand Rapids Portable House Co., Grand Rapids, Mich.
N. T. Hill, Portland, Me.
R. M. Lambie, 39 E. 19th St., New York.
C. W. Lyman & Co., 71 Kilby St., Boston, Mass. *242
L. H. Mace & Co., 111 Houston St., New York.
Maine Mfg. Co., Fairfield, Me.
Racine Hardware Mfg. Co., Racine, Wis.
W. S. Reed Toy Co., Leominster, Mass.
Sargent Mfg. Co., 814 Broadway, New York.
St. Anthony Furniture Co., St. Anthony, Minn.
Stone & Davis Furniture Co., Grand Rapids, Mich.
Stowell Mfg. Co., Putney, Vt.
Topliff & Ely Co., Elyria, O.
Wilkinson Mfg. Co., Binghamton, N. Y.

N. HALL TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Frank Rhoner & Co., 435 E. 22d St., New York.

O. IRON TABLES.
S. Freeman & Son Mfg. Co., Racine, Wis.
J. H. Van Dorn, Cleveland, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

P. KITCHEN TABLES.
Buffalo School Furniture Co., Buffalo, N. Y.
Campbell & Co., Chattanooga, Tenn.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
C. W. Lyman & Co., 71 Kilby St., Boston, Mass. *242
Mattoon Mfg. Co., Sheboygan, Wis.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
St. Johns Mfg. Co., St. Johns, Mich.

Q. LAP TABLES.
Fairfield Furniture Co., Fairfield, Me.
Mattoon Mfg. Co., Sheboygan, Wis.

R. LIBRARY TABLES.
F. W. Alms Mfg. Co., 15 Clifton Av., Cincinnati, O.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Barnutz & Diehl, 143 7th Av., New York.
Derby & Kilmer Desk Co., 93 Causeway St., Boston, Mass.
Fletcher & Webster Furniture Co., Nashua, N. H.
Andrew Homan Co., 440 Water St., New York.
Thos. Kelsall Co., McLean Av. & Richmond St., Cincinnati, O.
Mattoon Mfg. Co., Sheboygan, Wis.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Frank Rhoner & Co., 435 E. 22d St., New York.
E. Schloss & Co., 153 Goerck St., New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
M. & H. Schrenkeisen, 164 Monroe St., New York.

Sextro Furniture Co., 60 Riddle St., Cincinnati, O.
Slow & Davis Furniture Co., Grand Rapids, Mich.
Union School Furniture Co., Battle Creek, Mich.
U. S. Desk & Office Fitting Co., 194 La Salle St., Chicago, Ill.
Widdicomb Furniture Co., Crand Rapids, Mich.
Wrampelmeier Mfg. Co., Louisville, Ky.

S. NEST TABLES.
Chas. Lersch, 516 E. 17th St., New York.

T. OFFICE TABLES.
American Desk & Seating Co., 270 Wabash Av., Chicago, Ill.
Copeland & Durgin, Rochester, N. Y.
Indianapolis Cabinet Co., Indianapolis, Ind. *4
Office Specialty Mfg. Co., Rochester, N. Y.
Pond Desk Co., 273 Causeway St., Boston, Mass.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Union School Furniture Co., Battle Creek, Mich.
U. S. Desk & Office Fitting Co., 194 La Sallè St., Chicago, Ill.

U. ONYX TABLES.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
H. L. Judd & Co., 87 Chambers St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.

V. PILLAR TABLES.
Bardwell, Andrews & Co., 81 Union St., Boston, Mass.
Mattoon Mfg. Co., Sheyboygan, Wis.
Palmer & Embury Mfg. Co., 22 E. 18th St., New York.
Rockford Union Furniture Co., Rockford, Ill.
Rockford Co-operative Furniture Co., Rockford, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

W. RATTAN TABLES.
Heywood Bros. & Co., Gardner, Mass.
Valley City Rattan Co., Grand Rapids, Mich.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

X. RESTAURANT & SALOON TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
J. W. Fiske, 28 Park Place, New York.
H. Kindt & Co., 531 W. 8th St., Cincinnati, O.
Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.
Josiah Partridge, 360 Pearl St., New York.
St. Anthony Furniture Co., St. Anthony, Minn.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Stow & Davis Furniture Co., Grand Rapids, Mich.
P. Strobel & Sons, 53 Elizabeth St., New York.

Y. SCHOOL TABLES.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Buffalo School Furniture Co., Buffalo, N. Y.

Z. SETTEE TABLES.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.

AA. SIDE TABLES.
Copeland & Durgin, Rochester, N. Y.
Henry Fuldner, 327 Av. A, New York.
Merklen Bros., 157 Goerck St., New York.
John A. Otto's Sons, Williamsport, Pa.
H. H. Wiggers & Sons, 457 Plum St., Cincinnati, O.

BB. TYPEWRITER TABLES.
Hammond Typewriter Co., 447 E. 52d St., New York.

CC. WORK TABLES.
Bardwell, Anderson & Co., 81 Union St., Boston, Mass.
Folding Chair & Table Co., Grand Rapids, Mich.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Wilkinson Mfg. Co., Binghamton, N. Y.

468. TOWEL RACKS.
Brown & Abeel, Syracuse, N. Y. *252
Copeland & Durgin, Rochester, N. Y.
H. T. Cushman Mfg. Co., N. Bennington, Vt.
J. W. Fiske, 28 Park Place, New York.
Fletcher & Webster Furniture Co., Nashua, N. H.
Foster, Merriam & Co., Meriden, Conn.
A. B. Hauck, Lebanon, Pa.
A. S. Henn & Co., New Haven, Conn.
Chas. Lersch, 516 E. 17th St., New York.
Oriel Cabinet Co., Grand Rapids, Mich.
Josiah Partridge, 360 Pearl St., New York.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Wire Goods Co., Worcester, Mass.

A. BRASS TOWEL RACKS.
Foster, Merriam & Co., Meriden, Conn.
Pittsburgh Brass Co., Allegheny, Pa.

B. RATTAN TOWEL RACKS.
Heywood Bros. & Co., Gardner, Mass.
Valley City Rattan Co., Grand Rapids, Mich.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

C. TOWEL ROLLERS.
A. B. Hauck, Lebanon, Pa.
L. H. Mace & Co., 11 E. Houston St., New York.
Mann Bros., Milwaukee, Wis.
Towel Rack & Novelty Mfg. Co., Providence, R. I.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Wire Goods Co., Worcester, Mass.

469. UMBRELLA STANDS.
H. T. Cushman Mfg. Co., N. Bennington, Vt.

Fletcher & Webster Furniture Co., Nashua, N. H.

A. BRASS UMBRELLA STANDS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Globe Curtain Pole Co., Waterbury, Conn.
John C. Jewett Mfg. Co., Buffalo, N. Y.
W. T. Mersereau & Co., Newark, N. J.
Norwich Nickel & Brass Works, Norwich, Conn. *6
Palmer Mfg. Co., 66 Water St., Brooklyn, N. Y.
Pittsburgh Brass Co., Allegheny, Pa.
G. T. Sutterley & Co., 38 N. 6th St., Philadelphia, Pa.
W. H. Sweeney Mfg Co., 240 Water St., New York.
Universal Tripod Co., Grand Rapids, Mich.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. IRON UMBRELLA STANDS.
J. W. Fiske, 28 Park Place, New York.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Lalance & Grosjean, 16 Cliff St., New York.
John Savery's Sons & Co., 97 Beekman St., New York.
J. H. Van Dorn, Cleveland, O.

C. UMBRELLA STANDS, POTTERY.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
Rookwood Pottery Co., 207 Eastern Av., Cincinnati, O.

D. WIRE UMBRELLA STANDS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
J. R. Palmenberg's Sons, 468 Broome St., New York.

470. WALL BRACKETS.

A. BAMBOO WALL BRACKETS.
C. A. Aimone & Bro., 177 Prince St., New York.
Bamboo Mfg. Co., 70 S. Canal St., Chicago, Ill.
Formica & Winner, 37 S. 5th Av., New York.
A. Meinecke & Son, Milwaukee, Wis.
Syracuse Bamboo Furniture Co., Syracuse, N. Y.

B. BRASS WALL BRACKETS.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.

471. WALL POCKETS.

Boston Fancy Cabinet Co., 61 Haverhill St., Boston, Mass.
H. T. Cushman Mfg. Co., N. Bennington, Vt.
Hargreaves Mfg. Co., Detroit, Mich.
Pierce & Bushnell Mfg. Co., New Bedford, Mass.

A. BRASS WALL POCKETS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.

472. WARDROBES.

Berkey & Gay Furniture Co., Grand Rapids, Mich.
Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
Carrollton Furniture Mfg. Co., Carrollton, Ky.
Clark, Thomas & Co., 231 Levant St., Philadelphia, Pa.
Hemmer Bros., Newark, N. J.
Herrmann Desk Co., 368 Broome St., New York.
Donald Kennedy & Son, Minneapolis, Minn.
Kreimer & Bro. Co., 9th & Carr Sts., Cincinnati, O.
Linwood Furniture Co., Linwood, O.
Mattoon Mfg. Co., Sheboygan, Wis.
Paine's Furniture Co., 48 Canal St., Boston, Mass.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Sterling Furniture Co., San Francisco, Cal.
Union School Furniture Co., Battle Creek, Mich.
Williamsport Furniture Co., Williamsport, Pa.
Martin Worn & Sons, Humboldt & Seigel Sts., Brooklyn, N. Y.
Wrampelmeier Furniture Co., Louisville, Ky.

A. OFFICE WARDROBES.
Hemmer Bros., Newark, N. J.
Union School Furniture Co., Battle Creek, Mich.

473. WASH STANDS.

Campbell & Co., Chattanooga, Tenn.
Chattanooga Furniture Co., Chattanooga, Tenn.
Copeland & Durgin, Rochester, N. Y.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
Mattoon Mfg. Co., Sheboygan, Wis.
Merriam, Hall & Co., N. Leominster, Mass.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.
Josiah Partridge, 360 Pearl St., New York.
St. Anthony Furniture Co., St. Anthony, Minn.
St. Johns Mfg. Co., St. Johns, Mich.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
Stow & Davis Furniture Co., Grand Rapids, Mich.
Universal Tripod Co., Grand Rapids, Mich.
Winkler Furniture Co., Lexington, Mo.

A. DESK WASH STANDS.
Ft. Wayne Furniture Co., Ft. Wayne, Ind.

B. RESERVOIR WASH STANDS.
Forest City Furniture Co., Rockford, Ill.
Fred. J. Meyers Mfg. Co., Covington, Ky.
C. A. Warner & Co., 33 W. 14th St., New York.

474. WHATNOTS.

Fletcher & Webster Furniture Co., Nashua, N. H.
Heywood Bros. & Co., Gardner, Mass.
Charles Lersch, 516 E. 17th St., New York.
Nieman & Weinhardt Table Co., 400 N. Wood St., Chicago, Ill.
E. Schloss & Co., 153 Goerck St., New York.
Universal Tripod Co., Grand Rapids, Mich.

XVI. GLASS AND GLASSWARE.

475. BAR WARE, GLASS.

Belmont Glass Works, Bellaire, O.
Central Glass Co., Wheeling, W. Va. *21
Fostoria Glass Co., Fostoria, O.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
King Glass Co.,, Pittsburgh, Pa. *23
S. McKee & Co., Pittsburgh, Pa.
New Brighton Glass Co., New Brighton, Pa. *24
Nickel Plate Glass Co., Fostoria, O.
North Wheeling Glass Co., Wheeling, W. Va.
O'Hara Glass Co., Ltd., Pittsburgh, Pa.
Riverside Glass Works, Wellsburg, W. Va.

476. BEER MUGS.

Barnutz & Diehl, 143 7th Av., New York.
A. J. Beatty & Sons, Tiffin, O. *20
Belmont Glass Works, Bellaire, O.
Central Glass Co., Wheeling, W. Va. *21
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
King Glass Co., Pittsburgh, Pa. *23
S. McKee & Co., Pittsburgh, Pa.
New Brighton Glass Co., New Brighton, Pa. *24
Nickel Plate Glass Co., Fostoria, O.
O'Hara Glass Co., Ltd., Pittsburgh, Pa.
Rochester Tumbler Co., Pittsburgh, Pa.

477. BIRD BATHS.

Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
S. McKee & Co., Pittsburgh, Pa.
New Brighton Glass Co., New Brighton, Pa. *24

478. BOTTLES.

A. FLINT GLASS BOTTLES.

Agnew & Co., Pittsburgh, Pa.
Anderson Flint Bottle Co., Anderson, Ind.
Atlanta Glass Co., Atlanta, Ga.
Baker Bros., Baltimore, Md.
Bellaire Bottle Co., Bellaire, O.
Burgin & Sons, 127 Arch St., Philadelphia, Pa.
A. & D. H. Chambers, Pittsburgh, Pa.
Crystal City Glass Co., Bowling Green, O.
C. L. Flaccus, Tarentum, Pa.
J. T. & A. Hamilton, Pittsburgh, Pa.
W. H. Hamilton & Co., Pittsburgh, Pa.
Hazel Glass Co., Washington, Pa.
Hemingray Glass Co., Muncie, Ind.
Hobbs Glass Co., Wheeling, W. Va. *18
Hogan, Evans & Co., Pittsburgh, Pa.
King Glass Co., Pittsburgh, Pa. *23
Wm. McCully & Co., Pittsburgh, Pa.
New Brighton Glass Co., New Brighton, Pa. *24
North Wheeling Glass Co., Wheeling, W. Va.
Point Bottle Works, Ltd., Rochester, Pa.
Pennsylvania Glass Co., Anderson, Ind.
St. Louis Glass & Queensware Co., St. Louis, Mo.
Swindell Bros., Baltimore, Md.
Tibby Bros., Pittsburgh, Pa.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.
Whitney Glass Works, Glassborough, N. J.
Thos. Wightman & Co., Ltd., Pittsburgh, Pa.

B. GREEN GLASS BOTTLES

American Glass Works, Pittsburgh, Pa.
Atlanta Glass Co., Atlanta, Ga.
Baker Bros. & Co., Baltimore, Md.
Ball Glass Works, Muncie, Ind.
H. B. Benners, Philadelphia, Pa.

Bridgeport Glass Co., Bridgeton, O.
Wm. Brookfield, 83 Fulton St., New York.
Burgin & Sons, Philadelphia, Pa.
Clyde Glass Co., Clyde, N. Y.
Cohansey Glass Co., Bridgeton, N. J.
Craven Bros., Salem, N. J.
Cumberland Glass Mfg. Co., Bridgeton, N. J.
D. O. Cunningham, Pittsburgh, Pa.
Cunningham & Co , Ltd., Pittsburgh, Pa.
Delaware Glass Works, Philadelphia, Pa.
Everett Glass Co., Newark, O.
Findlay Bottle Co., Findlay, O.
Hagerty Bros. & Co., Brooklyn, N. Y.
W. H. Hamilton & Co., Pittsburgh, Pa.
Hemingray Glass Co., Muncie, Ind.
Hero Fruit Jar Co., Philadelphia, Pa.
Ihmsen Glass Co., Pittsburgh, Pa.
Illinois Glass Co., Alton, Ill.
Kearns-Gorsuch Glass Co., Zanesville, O.
Lockport Glass Works, Lockport, N. Y.
Lythgoe Bros. & Co., Bowling Green, O.
Mason Fruit Jar Co., Philadelphia, Pa.
Wm. McCully & Co., Pittsburgh, Pa.
Moore Bros., Clayton, N. J.
North Baltimore Bottle Works, N. Baltimore, O.
Ottawa Bottle & Flint Glass Co., Ottawa, Ill.
F. M. Pierce & Co., Clayton, N. Y.
Poughkeepsie Glass Co., Poughkeepsie, N. Y.
Reed & Co., Massillon, O.
Salt Lake Glass Works, Salt Lake City, Utah.
San Francisco & Pacific Glass Works, San Francisco, Cal.
Scranton Glass Co., Scranton, Pa.
Streator Bottle Co., Streator, Ill.
Swindell Bros., Baltimore, Md.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.
Whitney Glass Works, Glassborough, N. J.
T. Wightman & Co., Ltd., Pittsburgh, Pa.
Winslow Glass Works, Winslow, N. J.
Woodbury Glass Co., Woodbury, N. J.
Youngstown Stamping Co., Youngstown, O.

C. PRESCRIPTION & DRUGGISTS' BOTTLES.

Ball Bros. Glass Mfg. Co., Buffalo, N. Y.
Bellaire Bottle Co., Bellaire, O.
California Glass Works, San Francisco, Cal.
Chicago Glass Mfg. Co., Chicago, Ill.
C. Dorflinger & Sons, 36 Murray St., New York.
C. L. Flaccus, Tarentum, Pa.
Gill & Co., Pittsburgh, Pa.
Hagerty Bros. & Co., Brooklyn, N. Y.
W. H. Hamilton & Co., Pittsburgh, Pa.
Hazel Glass Co., Pittsburgh, Pa.
Hobbs Glass Co., Wheeling, W. Va. *18
Illinois Glass Co., Alton, Ill.
S. McKee & Co., Jeannette, Pa.
Moore Bros., Clayton, N. J.
Wm. McCully & Co., Pittsburgh, Pa.
New Brighton Glass Co., New Brighton, Pa. *24
Ottawa Bottle & Flint Glass Co , Ottawa, Ill.
Pennsylvania Glass Co., Anderson, Ind.
Point Bottle Works, Rochester, Pa.
San Francisco & Pacific Glass Works, San Francisco, Cal.
Standard Flint Glass Works, Philadelphia, Pa.
St. Louis Glass & Queensware Co., St. Louis, Mo.
Swindell Bros., Baltimore, Md.
Valley Glass Co., Beaver Falls, Pa.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.
Whitney Glass Works, Glassborough, N. J.
Thos. Wightman & Co., Ltd., Pittsburgh, Pa.
Windsor Glass Co., Pittsburgh, Pa.
Wormser Glass Co., Pittsburgh, Pa.

479. BOTTLE STOPPERS.

De Steiger & Co., La Salle, Ill.
Deverall Mfg. Co., 26 Cliff St., New York.

480. CARBOYS.

Henry Beimers, Philadelphia, Pa.
Wm. Brookfield, 83 Fulton St., New York.
Burgin & Sons, 127 Arch St., Philadelphia, Pa.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.

481. CASTERS, GLASS.

Belmont Glass Works, Bellaire, O.

	Central Glass Co., Wheeling, W. Va.	*21
	Hobbs Glass Co., Wheeling, W. Va.	*18
	Jones, Cavitt & Co., Ltd., Pittsburgh, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	S. McKee & Co., Pittsburgh, Pa.	
	New Brighton Glass Co., New Brighton, Pa.	*24
	O'Hara Glass Co., Ltd., Pittsburgh, Pa.	
	Riverside Glass Works, Wellsburg, W. Va.	
482. DECANTERS.	Central Glass Co., Wheeling, W. Va.	*21
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	New Brighton Glass Co., New Brighton, Pa.	*24
	O'Hara Glass Co., Ltd., Pittsburgh, Pa.	
	Valley Glass Co., Beaver Falls, Pa.	
483. DEMIJOHNS.	Wm. Brookfield, 83 Fulton St., New York.	
	Burgin & Sons, 127 Arch St., Philadelphia, Pa.	
	Poughkeepsie Glass Works, Poughkeepsie, N. Y.	
	San Francisco & Pacific Glass Works, San Francisco, Cal.	
484. FISH GLOBES.	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	S. McKee & Co., Pittsburgh, Pa.	
	New Brighton Glass Co., New Brighton, Pa.	*24
	Phœnix Glass Co., Pittsburgh, Pa.	
	Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.	
485. GLASS.		
A. BEVELLED PLATE GLASS.	B. L. Anderson & Co., 45 W. Jackson St., Chicago, Ill.	
	Bache, Semon & Co., 443 Greenwich St., New York.	
	J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.	
B. CATHEDRAL, ROUGH PLATE & TILE GLASS.	Architectural Glass Co., Pittsburgh, Pa.	
	Butler Art Glass Works, Fostoria, O.	
	C. E. Henry, Kokomo, Ind.	
	Mississippi Glass Co., St. Louis, Mo.	
	Streator Cathedral Glass Co., Streator, Ill.	
C. EMBOSSED GLASS.	Architectural Glass Co., Pittsburgh, Pa.	
	Saml. H. French & Co., York Av. & 4th St., Philadelphia, Pa.	
	J. & R. Lamb, 59 Carmine St., New York.	
	Geo. A. Misch, 217 Washington St., Chicago, Ill.	
	Redding, Baird & Co., 83 Franklin St., Boston, Mass.	
D. ENAMELLED GLASS.	J. & R. Lamb, 59 Carmine St., New York.	
	Geo. A. Misch, 217 Washington St., Chicago, Ill.	
	Redding, Baird & Co., 83 Franklin St., Boston, Mass.	
E. GROUND GLASS.	Golding & Sons Co., Trenton, N. J.	
	Geo. A. Misch, 217 Washington St., Chicago, Ill.	
	Phillips Glass Co., Pittsburgh, Pa.	
	Standard Plate Glass Co., Butler, Pa.	
F. JEWELLED GLASS.	Louis Heidt, White & N. Boerum Sts., Brooklyn, N. Y.	
	J. & R. Lamb, 59 Carmine St., New York.	
	Leo Popper & Son, 55 Grand St., New York.	
	Redding, Baird & Co., 83 Franklin St., Boston, Mass.	
G. MIRROR GLASS.	S. Binswanger & Co., 212 Canal St., New York.	
	Wm. B. Denison & Co., 480 Broome St., New York.	
	J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.	
	Heroy & Marrener, 124 S. 5th Av., New York.	
	Jacques Kahn, 29 Bleecker St., New York.	
	Matthews Decorative Glass Co., 328 E. 26th St., New York.	
	Missouri Glass Co., 501 N. 3d St., St. Louis, Mo.	
	Murnane Mirror & Bevelling Co., 2729 Adams St., St. Louis, Mo.	
	San Francisco & Pacific Glass Works, San Francisco, Cal.	
	A. Van Praag, 18 Desbrosses St., New York.	
H. MOSAIC GLASS.	J. & R. Lamb, 59 Carmine St., New York.	
	McCully & Miles, 14 Monroe St., Chicago, Ill.	
	Redding, Baird & Co., 83 Franklin St., Boston, Mass.	
	Smith Bros., New Bedford, Mass.	
	St. Paul Stained Glass Co., St. Paul, Minn.	
	Tiffany Glass Co., 335 4th Av., New York.	
I. PLATE GLASS.	Crystal Plate Glass Co., Crystal City, Mo.	
	J. B. Ford & Co., Ford City, Pa.	
	W. C. De Pauw Co., New Albany, Ind.	
	Diamond Plate Glass Co., Kokomo, Ind.	
	Howard Plate Glass Works, Duquesne, Pa.	
	Pittsburgh Plate Glass Co., Creighton, Pa.	
	Standard Plate Glass Co., Butler, Pa.	
J. STAINED GLASS.	Continental Stained Glass Wks., 440 Tremont St., Boston, Mass.	
	H. B. Copeland, Denver, Col.	
	Dukes & Isaac, 2129 Market St., Philadelphia, Pa.	
	R. S. Groves & Steil, 617 S. Broad St., Philadelphia, Pa.	
	Keystone Stained Glass Works., 271 S. 5th St., Philadelphia, Pa.	

J. & R. Lamb, 59 Carmine St., New York.
S. S. Marshall & Bros., Pittsburgh, Pa.
McCully & Miles, 14 Monroe St., Chicago, Ill.
Geo. A. Misch, 217 Washington St., Chicago, Ill.
Peine & Payne, Orange, N. J.
Penna. Stained Glass Wks., 2129 Market St., Philadelphia, Pa.
C. H. Postel & Co., 1314 Ridge Av., Philadelphia, Pa.
Redding, Baird & Co., 83 Franklin St., Boston, Mass.
St. Paul Stained Glass Co., St. Paul, Minn.
Tiffany Glass Co., 335 4th Av., New York.
Wells Glass Co., 304 Wabash Av., Chicago, Ill.
Western Sand Blast Co., W. Jackson & Clinton Sts., Chi., Ill.
S. H. Worcester, Des Moines, Iowa.

K. WINDOW GLASS.

Abel, Smith & Co., Pittsburgh, Pa.
Baker Bros. & Co., Baltimore, Md.
Barnesville Glass Co., Barnesville, O.
Bellaire Window Glass Works, Bellaire, O.
Louis Blitz & Co., Detroit, Mich.
Buckeye Glass Co., Findlay, O.
T. Campbell Co., Pittsburgh, Pa.
A. & D. H. Chambers, Pittsburgh, Pa.
Cleveland Window Glass Co., Cleveland, O.
Cohansey Glass Mfg. Co., 32 N. 4th St., Philadelphia, Pa.
Cole & Rees, Dunkirk, Ind.
Crystal Window Glass Co., Bellaire, O.
Cunninghams & Co., Ltd., Pittsburgh, Pa.
D. O. Cunningham, Pittsburgh, Pa.
W. C. De Pauw Co., New Albany, Ind.
Wm. C. Ely's Sons & Hoyt, Clyde, N. Y.
Enterprise Window Glass Co., Bellaire, O.
Samuel H. French & Co., York Av. & 4th St., Philadelphia, Pa.
French Win. G. Mfg. Co. of Mo., Anna c. DeKalb St., St. Louis, Mo.
Hires & Co., Quinton, N. J.
Ihmsen Glass Co., Ltd., Pittsburgh, Pa.
Knox, Folz & Co., New Castle, Pa.
John Lucas & Co., 141 Race St., Philadelphia, Pa.
Maring, Hart & Co., Muncie, Ind.
Wm. McCully & Co., Pittsburgh, Pa.
S. McKee & Co., Jeannette, Pa.
Jonas More Glass Co., Bridgeton, N. J.
Ohio Glass Co., Findlay, O.
O'Leary Bros. & Co., Pittsburgh, Pa.
Phillips Glass Co., Pittsburgh, Pa.
Quaker City Glass Co., Quaker City, O.
H. Seim & Co., Baltimore, Md.
Robert C. Schmertz & Co., Pittsburgh, Pa.
Abel, Smith & Co., Pittsburgh, Pa.
Stewart, Estep & Co., Marion, Ind.
Swindell Bros., Baltimore, Md.
Syracuse Glass Co., Syracuse, N. Y.
Union Glass Co., Bellaire, O.
United Glass Co., Syracuse, N. Y.
Geo. Warnhoff & Co., Fayette City, Pa.
Thos. Wightman & Co., Ltd., Pittsburgh, Pa.
Winslow Glass Works, Winslow, N. J.
Wolfe, Howard & Co., Pittsburgh, Pa.

486. GLASSWARE.

A. ART GLASSWARE.

Matthews Decorative Glass Co., 328 E. 26th St., New York.
Mt. Washington Glass Co., New Bedford, Mass.
Phœnix Glass Co., Pittsburgh, Pa.

B. BLOWN GLASSWARE.

Adams & Co., Pittsburgh, Pa.
A. J. Beatty & Sons, Tiffin, O. *20
Chas. Brox, Port Jervis, N. Y.
Bryce Bros., Pittsburgh, Pa.
Bryce, Higbee & Co., Homestead, Pa.
Buckeye Glass Co., Martins Ferry, O.
Central Glass Co., Wheeling, W. Va. *21
Challinor, Taylor & Co., Ltd., Tarentum, Pa.
Co-operative Flint Glass Co., Beaver Falls, Pa.
Corning Glass Co., Corning, N. Y.
Crystal Glass Co., Bridgeport, O.
Crystal Glass Co., Pittsburgh, Pa.
Dalzell, Gilmore & Leighton Co., Findlay, O.
Dithridge Flint Glass Co., New Brighton, Pa.
C. Dorflinger & Sons, 36 Murray St., New York.
Geo. Duncan & Sons, Pittsburgh, Pa.

	Elson Glass Co., Martins Ferry, O.	
	Thos. Evans & Co., Pittsburgh, Pa.	
	Gill & Co., Philadelphia, Pa.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	E. P. Gleason Mfg. Co., Brooklyn, N. Y.	
	Hemingray Glass Co., Muncie, Ind.	
	Hobbs Glass Co., Wheeling, W. Va.	*18
	J. N. Huwer, cor. Maujer St. & Morgan Av., Brooklyn, N. Y.	
	King Glass Co., Pittsburgh, Pa.	*23
	W. L. Libby & Son, Toledo, O.	
	Geo. A. Macbeth & Co., Pittsburgh, Pa.	
	S. McKee & Co., Jeannette, Pa.	
	Miami Flint Glass Works, Peru, Ind.	
	Mt. Washington Glass Co., New Bedford, Mass.	
	Jas. J. Murray & Co., Philadelphia, Pa.	
	New Brighton Glass Co., New Brighton, Pa.	*24
	O'Hara Glass Co., Pittsburgh, Pa.	
	Rochester Tumbler Co., Pittsburgh, Pa.	
	Rodefer Bros., Bellaire, O.	
	Rohrbacher & Hormann, Philadelphia, Pa.	
	Richards & Hartley Glass Co., Tarentum, Pa	
	Ripley & Co., Pittsburgh, Pa.	
	Valley Glass Co., Beaver Falls, Pa.	
	Westmoreland Specialty Co., Grapeville, Pa	
C. CHEMISTS' GLASSWARE.	Baker Bros., Baltimore, Md.	
	Edmands & Hooper, Charlestown, Mass.	
	Eimer & Amend, 205 3d Av., New York.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	W. H. Hamilton & Co., Pittsburgh, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	Red Wing Stoneware Co., Red Wing, Minn.	
	Valley Glass Co., Beaver Falls, Pa.	
	Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.	
D. CUT GLASSWARE.	Jas. D. Bergen, Meriden, Conn.	
	Central Glass Co., Wheeling, W. Va.	*21
	Dithridge Cut Glass Co., New Brighton, Pa.	
	C. Dorflinger & Sons, 36 Murray St., New York.	
	Samuel H. French & Co., York Av. & 4th St., Philadelphia, Pa.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	T. G. Hawks & Co., Corning, N. Y.	
	J. Hoare & Co., Corning, N. Y.	
	Hobbs Glass Co , Wheeling, W. Va.	*18
	W. L. Libby & Son Co., Toledo, O.	
	McCue & Earl, 22 Morton St., Brooklyn, N. Y.	
	Geo. A. Misch, 217 Washington St., Chicago, Ill.	
	Mt. Washington Glass Co., New Bedford, Mass.	
	Phœnix Glass Co., Pittsburgh, Pa.	
	Riverside Glass Works, Wellsburg, W. Va.	
	Rochester Tumbler Co., Pittsburgh, Pa.	
E. FANCY COLORED GLASSWARE.	A. J. Beatty & Sons, Tiffin, O.	*20
	Central Glass Co., Wheeling, W. Va.	*21
	Hobbs Glass Co., Wheeling, W. Va.	*18
	King Glass Co., Pittsburgh, Pa.	*23
	Mt. Washington Glass Co., New Bedford, Mass.	
	Phœnix Glass Co., Pittsburgh, Pa.	
	Smith Bros., New Bedford, Mass.	
F. GLASSWARE NOVELTIES.	Atterbury & Co., Pittsburgh, Pa.	
	A. J. Beatty & Sons, Tiffin, O.	*20
	Belmont Glass Works, Bellaire, O.	
	Bryce, Higbee & Co., Homestead, Pa.	
	Central Glass Co., Wheeling, W. Va.	*21
	Challinor, Taylor & Co., Tarentum, Pa.	
	Dalzell, Gilmore & Leighton Co., Findlay, O.	
	Dithridge Flint Glass Co., New Brighton, Pa.	
	Doyle & Co., Pittsburgh, Pa.	
	Geo. Duncan & Sons, Pittsburgh, Pa.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa	
	Jones, Cavitt & Co., Ltd., Pittsburgh, Pa.	
	Hobbs Glass Co., Wheeling, W. Va.	*18
	King Glass Co., Pittsburgh, Pa.	*23
	S. McKee & Co., Jeannette, Pa.	
	O'Hara Glass Co., Pittsburgh, Pa.	
	Phœnix Glass Co., Pittsburgh, Pa.	
	Pittsburgh Glass Novelty Co., Pittsburgh, Pa.	
	Rodefer Bros., Bellaire, O.	
	Riverside Glass Works, Wellsburg, W. Va.	

G. OPALESCENT GLASSWARE.
Phœnix Glass Co., Pittsburgh, Pa.

H. PRESSED FLINT GLASSWARE.
Adams & Co., Pittsburgh, Pa.
Atterbury & Co., Pittsburgh, Pa.
A. J. Beatty & Sons, Tiffin, O. *20
Bellaire Goblet Co., Findlay, O.
Chas. Brox, Port Jervis, N. Y.
Bryce Bros., Pittsburgh, Pa.
Bryce, Higbee & Co., Homestead, Pa.
Buckeye Glass Co., Martins Ferry, O.
Central Glass Co., Wheeling, W. Va. *21
Challinor, Taylor & Co., Tarentum, Pa.
Co-operative Flint Glass Co., Beaver Falls, Pa. *22
Corning Glass Co., Corning, N. Y.
Crystal Glass Co., Bridgeport, O.
Crystal Glass Co., Pittsburgh, Pa.
Dalzell, Gilmore & Leighton Co., Findlay, O.
Dithridge Flint Glass Co., New Brighton, Pa.
C. Dorflinger & Sons, White Mills, Pa.
Doyle & Co., Pittsburgh, Pa.
Geo. Duncan & Sons, Pittsburgh, Pa.
Elson Glass Co., Martin's Ferry, O.
Thos. Evans & Co., Pittsburgh, Pa.
Fostoria Glass Co., Fostoria, O.
Gill & Co., Philadelphia, Pa.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
E. P. Gleason Mfg. Co., Brooklyn, N. Y.
Hemingray Glass Co., Muncie, Ind.
Hobbs Glass Co., Wheeling, W. Va. *18
J. N. Huwer, Maujer & Morgan Av., Brooklyn, N. Y.
Jones, Cavitt & Co., Ltd., Pittsburgh, Pa.
King Glass Co., Pittsburgh, Pa. *23
W. L. Libby & Son, Toledo, O.
Geo. A. Macbeth & Co., Pittsburgh, Pa.
S. McKee & Co., Jeannette, Pa.
Mt. Washington Glass Co., New Bedford, Mass.
Jas. J. Murray & Co., Philadelphia, Pa.
New Brighton Glass Co., New Brighton, Pa. *24
O'Hara Glass Co., Pittsburgh, Pa.
Phœnix Glass Co., Pittsburgh, Pa.
Richards & Hartley Glass Co., Tarentum, Pa.
Ripley & Co., Pittsburgh, Pa.
Rochester Tumbler Co., Pittsburgh, Pa.
Rodefer Bros., Bellaire, O.
Rohrbacher & Hormann, Philadelphia, Pa.
Standard Flint Glass Works, Philadelphia, Pa.
Thompson Glass Co., Uniontown, Pa.
Westmoreland Specialty Co., Grapeville, Pa.
Windsor Glass Co., Pittsburgh, Pa.

487. GRADUATED GLASSES.
Burgin & Sons, 127 Arch St., Philadelphia, Pa.
Hobbs Glass Co., Wheeling, W. Va. *18

488. JARS, GLASS.

A. CONFECTIONERS' JARS.
Atterbury & Co., Pittsburgh, Pa.
Columbia Glass Co., Findlay, O.
Co-operative Flint Glass Co., Ltd., Beaver Falls, Pa. *22
Excelsior Flint Glass Co., Pittsburgh, Pa.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
Hemingray Glass Co., Covington, Ky.
King Glass Co., Pittsburgh, Pa. *23
Rohrbacher & Hormann, 2657 Salmon St., Philadelphia, Pa.
Specialty Glass Co., East Liverpool, O.

B. FRUIT JARS.
Atlanta Glass Co., Atlanta, Ga.
Ball Bros. Glass Co., Buffalo, New York.
Consolidated Fruit Jar Co., 49 Warren St., New York.
Co-operative Flint Glass Co., Beaver Falls, Pa. *22
Cumberland Glass Mfg. Co., Bridgeton, N. J.
W. C. De Pauw Co., New Albany, Ind.
Dithridge Glass Co., New Brighton, Pa.
Wm. C. Ely's Sons & Hoyt, Clyde, N. Y.
W. H. Hamilton & Co., Pittsburgh, Pa.
Hemingray Glass Co., Covington, Ky.
Hero Fruit Jar Co., Gaul & Adams Sts., Philadelphia, Pa.
King Glass Co., Pittsburgh, Pa. *23
Mason Fruit Jar Co., Bridesburg, Pa.
Moore Bros., Clayton, N. J.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
Warren Glass Works, Uniontown, Pa.

	Woodbury Glass Works, Woodbury, N. J.	
	Wormser Glass Co., Pittsburgh, Pa.	
C. MILK JARS.	Burgin & Sons, 127 Arch St., Philadelphia, Pa.	
	Cumberland Glass Mfg. Co., Bridgeton, N. J.	
	Dean, Foster & Co., 120 Lake St., Chicago, Ill.	
	W. H. Hamilton & Co., Pittsburgh, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
489. LABELS, GLASS.	Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.	
	Nickel Plate Glass Co., Fostoria, O.	
490. LETTERS, GLASS.	Asbury Glass Sign Co., 41 Dey St., New York.	
	Wm. Sedgwick, 187 Clark St., Chicago, Ill.	
491. MOLASSES PITCHERS.	Belmont Glass Works, Bellaire, O.	
	Central Glass Co., Wheeling, W. Va.	*21
	Columbia Glass Co., Findlay, O.	
	Jones, Cavitt & Co., Ltd., Pittsburgh, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	S. McKee & Co., Pittsburgh, Pa.	
	O'Hara Glass Co., Ltd., Pittsburgh, Pa.	
	Riverside Glass Works, Wellsburg, W. Va.	
492. STEMWARE.	Ætna Glass & Mfg. Co., Bellaire, O.	
	A. J. Beatty & Sons, Tiffin, O.	*20
	Belmont Glass Works, Bellaire, O.	
	Canton Glass Co., Canton, O.	
	Central Glass Co., Wheeling, W. Va.	*21
	Columbia Glass Co., Findlay, O.	
	Co-operative Flint Glass Co., Beaver Falls, Pa.	*22
	Fostoria Glass Co., Fostoria, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	Hobbs Glass Co., Wheeling, W. Va.	*18
	Jones, Cavitt & Co., Ltd., Pittsburgh, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	McKee Bros., Pittsburgh, Pa.	
	O'Hara Glass Co., Ltd., Pittsburgh, Pa.	
	Riverside Glass Works, Wellsburg, W. Va.	
493. SYRINGES, GLASS.	P. J. McElroy, E. Cambridge, Mass.	
	Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.	
494. TUBES, GLASS.	P. J. McElroy, E. Cambridge, Mass.	
495. TUMBLERS.	A. J. Beatty & Sons, Tiffin, O.	*20
	Belmont Glass Works, Bellaire, O.	
	Central Glass Co., Wheeling, W. Va.	*21
	Columbia Glass Co , Findlay, O.	
	Co-operative Flint Glass Co., Ltd., Beaver Falls, Pa.	*22
	Fostoria Glass Co., Fostoria, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	Hobbs Glass Co., Wheeling, W. Va.	*18
	King Glass Co., Pittsburgh, Pa.	*23
	S. McKee & Co., Pittsburgh, Pa.	
	New Brighton Glass Co., New Brighton, Pa.	*24
	Nickel Plate Glass Co., Fostoria, O.	
	O'Hara Glass Co., Ltd., Pittsburgh, Pa.	
	Rochester Tumbler Co., Pittsburgh, Pa.	
	Valley Glass Co., Beaver Falls, Pa.	
496. WATER SETS.	Atterbury & Co., Pittsburgh, Pa.	
	Central Glass Co., Wheeling, W. Va.	*21
	Columbia Glass Co., Findlay, O.	
	Co-operative Flint Glass Co., Ltd., Beaver Falls, Pa.	*22
	Findlay Flint Glass Co., Findlay, O.	
	Hobbs Glass Co., Wheeling, W. Va.	*18
	Jones, Cavitt & Co., Ltd., Pittsburgh, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	S. McKee & Co., Pittsburgh, Pa.	
	O'Hara Glass Co., Ltd., Pittsburgh, Pa.	
	Riverside Glass Works, Wellsburg, W. Va.	

XVII. HARDWARE.

497. AWNING FRAMES.

Arthur McArdle, 511 Bainbridge St., Philadelphia, Pa.
H. & G. Lindenschmidt, Evansville, Ind.
L. Schreiber & Sons Co., Eggleston & 8th Sts., Cincinnati, O

A. AWNING BLIND FIXTURES.

F. O. North & Co., Boston, Mass.
Wire Goods Co., Worcester, Mass.

B. AWNING FRAME FITTINGS.

Pancoast & Maule, 243 S. 3d St., Philadelphia, Pa.
Roberts Bros., 71 Market St., Chicago, Ill.

498. BELLS.

A. AMALGAM BELLS.

E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

B. BICYCLE BELLS.

Bridgeport Brass Co., Bridgeport, Conn. *27
Gong Bell Mfg. Co., E. Hampton, Conn.
New Departure Bell Co., Bristol, Conn.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.

C. CALL BELLS.

Barton Bell Co., Marion, Ind.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Chapman Mfg. Co., Meriden, Conn.
Gong Bell Mfg. Co., E. Hampton, Conn.
Landers, Frary & Clark, New Britain, Conn.
Low Art Tile Co., Chelsea, Mass.
Clinton H. Meneely Bell Co., Troy, N. Y.
Meriden Britannia Co., Meriden, Conn.
Meriden Bronze Co., Meriden, Conn.
New Departure Bell Co., Bristol, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.

D. CAR BELLS.

Bevin Bros. Mfg. Co., E. Hampton, Conn.
Cincinnati Bell Foundry Co., Richmond & Harriet Sts., Cin., O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
New Departure Bell Co., Bristol, Conn.

E. CHIME BELLS.

A. Fulton's Son & Co., Pittsburgh, Pa. *36
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
McShane Bell Foundry, Baltimore, Md.
New Departure Bell Co., Bristol, Conn.

F. CHURCH BELLS.

C. S. Bell & Co., Hillsboro, O.
Cincinnati Bell Foundry Co., Richmond & Harriet Sts., Cin., O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
W. T. Garratt & Co., San Francisco, Cal.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

G. COW BELLS.

Bevin Bros. Mfg. Co., E. Hampton, Conn.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Kentucky Bell Co., Louisville, Ky.
O. B. Wilson, Collinsville, Ill.

H. DOOR BELLS.

Bevin Bros. Mfg. Co., E. Hampton, Conn.
Brittan, Graham & Mathes, Pittsburgh, Pa.
Gong Bell Mfg. Co., E. Hampton, Conn.
Hardware Specialty Co., Newark, N. J.
Fred. J. Meyers Mfg. Co., Covington, Ky.
New Departure Bell Co., Bristol, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.

I. DOOR BELLS, ALARM.

Barton Bell Co., Marion, Ind.
Gong Bell Mfg. Co., E. Hampton, Conn.
New Departure Bell Co., Bristol, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.

J. DOOR LEVER BELLS.

Brittan, Graham & Mathes, 411 Wood St , Pittsburgh, Pa.
Gong Bell Mfg. Co., E. Hampton, Conn.
Sargent & Co., New Haven, Conn.

K. ENGINE BELLS.

A. Fulton's Son & Co., Pittsburgh, Pa. *36
McShane Bell Foundry, Baltimore, Md.
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Co., W. Troy, N. Y.
J. Regester & Sons, Baltimore, Md.
Rumsey & Co., Ltd., 107 Liberty St., New York.

Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
Wheeler Foundry Co., Worcester, Mass.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

L. FACTORY BELLS.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Goulds Mfg. Co., Seneca Falls, N. Y.
Jas. L. Haven Co , 56 Plum St., Cincinnati, O
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

M. FARM BELLS.
C. S. Bell & Co., Hillsboro, O.
W. C. Downey & Co., Springfield, O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
Ewald Over, Indianapolis, Ind.
Roland Plow Works, Baltimore, Md.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Sutton Bros. & Bell, Indiana, Pa.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

N. FERRY BELLS.
Clinton H. Meneely Bell Co., Troy, N. Y.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

O. FIRE ALARM BELLS.
Cin. Bell Foundry Co., Richmond & Harriet Sts., Cincinnati, O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
W. T. Garratt & Co., San Francisco, Cal.
Clinton H. Meneely Bell Co., Troy, N. Y.
New Departure Bell Co., Bristol, Conn.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

P. FOG BELLS.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Clinton H. Meneely Bell Co., Troy, N. Y.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

Q. GONG BELLS.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Barton Bell Co., Marion, Ind.
Bevin Bros. Mfg. Co., E. Hampton, Conn.
Chapman Mfg. Co., Meriden, Conn.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Gong Bell Mfg. Co., E. Hampton, Conn.
Meriden Bronze Co., Meriden, Conn.
New Departure Bell Co., Bristol, Conn.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

R. HAND BELLS.
Barton Bell Co., Marion, Ind.
Bevin Bros. Mfg. Co., E. Hampton, Conn.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Gong Bell Mfg. Co., E. Hampton, Conn.
Landers, Frary & Clark, New Britain, Conn.

S. HOTEL BELLS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Meriden Bronze Co., Meriden, Conn.

T. HOUSE BELLS.
Barton Bell Co., Marion, Ind.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
New Departure Bell Co., Bristol, Conn.
Sargent & Co., New Haven, Conn.

U. MULE BELLS.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
O. B. Wilson, Collinsville, Ill.

V. PEAL BELLS.
Cin. Bell Foundry Co., Richmond & Harriet Sts., Cincinnati, O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

W. SCHOOL BELLS.
C. S. Bell & Co., Hillsboro, O.
Cin. Bell Foundry Co., Richmond & Harriet Sts., Cincinnati, O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Goulds Mfg. Co., Seneca Falls, N. Y.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

X. SHEEP BELLS.
Barton Bell Co., Marion, Ind.
Bevin Bros. Mfg. Co., E. Hampton, Conn.
Kentucky Bell Co., Louisville, Ky.
O. B. Wilson, Collinsville, Ill.

Y. SHIP BELLS.
Cin. Bell Foundry Co., Richmond & Harriet Sts., Cincinnati, O.
Clinton H. Meneely Bell Co., Troy, N. Y.
J. C. Torrey & Sons, Rockland, Me.

Z. STEAMBOAT BELLS.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
Cin. Bell Foundry Co., Richmond & Harriet Sts., Cincinnati, O.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Gong Bell Mfg. Co., E. Hampton, Conn.
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.

AA. TEA BELLS.
Barton Bell Co., Marion, Ind.
Bevin Bros. Mfg. Co., E. Hampton, Conn.
Gong Bell Mfg. Co., E. Hampton, Conn.
A. S. Henn & Co., New Haven, Conn.
J. F. Kitchell Mfg. Co., Newark, N. J.
Meriden Bronze Co., Meriden, Conn.
New Departure Bell Co., Bristol, Conn.

BB. TOWER CLOCK BELLS.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
Clinton H. Meneely Bell Co., Troy, N. Y.
Geo. R. Meneely & Son, W. Troy, N. Y.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.

499. BELL FIXTURES.

A. BELL CRANKS.
P. & F. Corbin, New Britain, Conn.
Sargent & Co., New Haven, Conn.

B. BELL LEVERS, BRONZE.
Branford Lock Works, Branford, Conn. *230-9
Norwich Lock Mfg. Co., Norwich, Conn.

C. BELL PULLS.
Branford Lock Works, Branford, Conn. *230-9
Brittan, Graham & Mather, 411 Wood St., Pittsburgh, Pa.
Sargent & Co., New Haven, Conn.
Union Hardware Co., Torrington, Conn.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
Yale & Towne Mfg. Co., Stamford, Conn.

D. BELL WIRE ANGLES.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.

500. BLIND AND SHUTTER FIXTURES.

A. BLIND ADJUSTERS.
Tower & Lyon, 95 Chambers St., New York.
Van Wagoner & Williams Co., 82 Beekman St., New York.

B. BLIND FIXTURES, AUTOMATIC.
P. & F. Corbin, New Britain, Conn.
Wire Goods Co., Worcester, Mass.

C. SHUTTER BARS.
Branford Lock Works, Branford, Conn. *230-9
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.
Norwich Lock Mfg. Co., Norwich, Conn.
Stanley Works, New Britain, Conn. *32

D. SHUTTER FLAPS.
Branford Lock Works, Branford, Conn. *230-9
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.
P. & F. Corbin, New Britain, Conn.
Stanley Works, New Britain, Conn. *32
Wheeling Hinge Co., Wheeling, W. Va.

501. BOLTS.

A. BARN DOOR BOLTS.
Chalfant Mfg. Co., Atglen, Pa.
Enterprise Mfg. Co., N. 3d & Dauphin Sts., Philadelphia, Pa.

B. BARREL BOLTS.
Norwich Lock Mfg. Co., Norwich, Conn.
Stanley Works, New Britain, Conn. *32

C. BELT BOLTS.
Avery Stamping Co., Cleveland, O.
Wm. H. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
J. H. Sternbergh & Son, Reading, Pa.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.

D. BLANK BOLTS.
American Bolt Co., Lowell, Mass.
Wm. H. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
J. H. Sternbergh & Son, Reading, Pa.

E. BRASS BOLTS.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Pawtucket Mfg. Co., Pawtucket, R. I.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.
Van Wagoner & Williams Co., 82 Beekman St., New York.

F. BRIDGE BOLTS.
American Bolt Co., Lowell, Mass.
American Iron & Steel Works, Pittsburgh, Pa.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Chicago Forge & Bolt Co., 40th St. cor. Stewart Av., Chicago, Ill.
Diamond State Iron Co., Wilmington, Del.
Fort Worth Iron Works, Fort Worth, Tex.
Fowler & Sons, Anderson, Ind.
R. F. Hawkins Iron Works, Springfield, Mass.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.

Litchfield Car & Machine Co., Litchfield, Ill.
Michigan Bolt & Nut Works, Detroit, Mich.
Pardee Car & Machine Works, Watsontown, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pennsylvania Nut & Bolt Co., Lebanon, Pa.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
J. H Sternbergh & Son, Reading, Pa.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Upson Nut Co., Unionville, Conn.
Vulcan Iron Co., Richmond, Va.

G. BRONZE BOLTS.
Norwich Lock Mfg. Co., Norwich, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Russell & Erwin Mfg. Co., New Britain, Conn.

H. BUTTON HEAD BOLTS.
R. F. Hawkins Iron Works, Springfield, Mass.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Stanley Works, New Britain, Conn. *32
J. H. Sternbergh & Son, Reading, Pa.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.

I. CAR BOLTS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
J. H. Sternbergh & Son, Reading, Pa.
Vulcan Iron Co., Richmond, Va.

J. CARRIAGE BOLTS.
Anderson Bolt Works, Anderson, Ind.
Atwater Mfg. Co., Plantsville, Conn.
Chicago Forge & Bolt Co., 40th St. cor. Stewart Av., Chicago, Ill.
Clark Bros. & Co., Milldale, Conn.
Columbus Bolt Works, Columbus, O.
C. Cowles & Co., New Haven, Conn.
Fowler & Sons, Anderson, Ind.
L. D. Frost & Sons, Marion, Conn.
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
Pennsylvania Nut & Bolt Co., Lebanon, Pa.
Russell, Burdsall & Ward, Port Chester, N. Y.
Shelton Co., Birmingham, Conn.
T. Skelly, Madison Av. near N. 24th St., Philadelphia, Pa.
H. D. Smith & Co., Plantsville, Conn.
J. H. Sternbergh & Son, Reading, Pa.
Upson Nut Co., Cleveland, Conn.
Wheeling Hinge Co., Wheeling, W. Va.
Chas. Wing & Co., Amesbury, Mass.

K. CHAIN DOOR BOLTS.
Branford Lock Works, Branford, Conn. *230–9
McCosh Iron & Steel Co., Burlington, Iowa.
Norwich Lock Mfg. Co., Norwich, Conn.

L. COPPER BOLTS.
American Iron & Steel Works, Pittsburgh, Pa.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
New Bedford Copper Co., New Bedford, Mass.
New Haven Copper Co., Seymour, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Taunton Copper Mfg. Co., Taunton, Mass. *51

M. COUPLING BOLTS.
Hartford Machine Screw Co., Hartford, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Reynolds & Co., New Haven, Conn.
J. H. Sternbergh & Son, Reading, Pa.
Western Automatic Machine Screw Co., Elyria, O.

N. DOOR BOLTS.
A. S. Henn & Co., New Haven, Conn.
Hobart B. Ives & Co., New Haven, Conn.
Pennsylvania Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Sargent, Greenleaf & Co., Rochester, N. Y.
Stanley Works, New Britain, Conn. *32

O. DRIFT BOLTS.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
J. H. Sternbergh & Son, Reading, Pa.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.

P. ELEVATOR BOLTS.
American Screw Co., Providence, R. I.
Avery Stamping Co., Cleveland, O.
Wm. H. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.

	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.	
	Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.	
Q. EXTENSION FLUSH BOLTS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stanley Works, New Britain, Conn.	*32
	Yale & Towne Mfg. Co., Stamford, Conn.	
R. EYE BOLTS.	R. F. Hawkins Iron Works, Springfield, Mass.	
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	Hurlbut Mfg. Co., Racine Junction, Wis.	
	Michigan Bolt & Nut Works, Detroit, Mich.	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	J. H. Sternbergh & Son, Reading Pa.	
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
S. FANCY HEAD BOLTS.	Columbus Bolt Works, Columbus, O	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
T. FLUSH BOLTS.	Branford Lock Works, Branford, Conn.	*230-9
U. FORGED BOLTS.	Diamond State Iron Co., Wilmington, Del	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Vulcan Iron Co., Richmond, Va.	
V. JOINT BOLTS.	Dickson Mfg. Co., Scranton, Pa.	
	Hoopes & Townsend, 1330 Buttonwood St., Phila., Pa.	
	Michigan Bolt & Nut Works, Detroit, Mich.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	J. H. Sternbergh & Son, Reading, Pa.	
W. KEY BOLTS.	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	J. H. Sternbergh & Son, Reading, Pa.	
X. KING BOLTS.	Atwater Mfg. Co., Plantsville, Conn.	
	E. D. Clapp Mfg. Co., Auburn, N. Y.	
	Cleveland Hardware Co., Cleveland, O.	
	Columbus Bolt Works, Columbus, O.	
	C. Cowles & Co., New Haven, Conn.	
	J. H. Sternbergh & Son. Reading, Pa.	
	Upson Nut Co., Unionville, Conn.	
Y. LOOM BOLTS.	American Bolt Co., Lowell, Mass.	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
Z. MACHINE BOLTS.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Bolt Co , Lowell, Mass.	
	Anderson Bolt Works, Anderson, Ind.	
	Chicago Forge & Bolt Co., 40th St. c. Stewart Av., Chicago, Ill.	
	Clark Bros. & Co., Milldale, Conn.	
	Diamond State Iron Co., Wilmington, Del.	
	Fowler & Sons, Anderson, Ind.	
	Wm. H. Haskell Co., Pawtucket, R. I.	
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	Lamson & Sessions Co., Cleveland, O.	
	McCosh Iron & Steel Co., Burlington, Iowa.	
	Michigan Bolt & Nut Works, Detroit, Mich.	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	Pennsylvania Bolt & Nut Co., Lebanon, Pa.	
	Reynolds & Co., New Haven, Conn.	
	J. H. Sternbergh & Son, Reading Pa.	
	Upson Nut Co., Unionville, Conn.	
AA. MORTISE KNOB BOLTS.	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Hobart B. Ives & Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	Stoddard Lock Mfg. Co., Saybrook, Conn.	
BB. PATCH BOLTS.	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Western Automatic Machine Screw Co., Elyria, O.	
CC. PHOSPHOR-BRONZE BOLTS.	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
DD. PLOW BOLTS.	American Bolt Co., Lowell, Mass.	
	Clark Bros & Co., Milldale, Conn.	

Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
National Bolt, Nut & Rivet Works, Reading Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
Russell, Burdsall & Ward, Port Chester, N. Y.
J. H. Sternbergh & Son, Reading, Pa.
Upson Nut Co., Unionville, Conn.

EE. ROOF BOLTS.
Fowler & Sons, Anderson, Ind.
R. F. Hawkins Iron Works, Springfield, Mass.
Hoopes & Townsend, 1330 Buttonwood St , Philadelphia, Pa.
McCosh Iron & Steel Co., Burlington, Iowa.
Franklin Moore Co., Winsted, Conn.
Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.
Pawtucket Mfg. Co., Pawtucket, R. I.
Reynolds & Co., New Haven, Conn.
J. H. Sternbergh & Son, Reading, Pa.

FF. SINK BOLTS.
American Screw Co., Providence, R. I.
Lamson & Sessions, Cleveland, O.
Reynolds & Co., New Haven, Conn.
Upson Nut Co., Unionville, Conn.

GG. SKEIN BOLTS.
Fowler & Sons, Anderson, Ind.
Pawtucket Mfg. Co., Pawtucket, R. I.

HH. SLEIGH SHOE BOLTS.
Franklin Moore Co., Winsted, Conn.
Franklin Moore Co., New Haven, Conn.
Port Chester Bolt & Nut Co., Port Chester, N. Y.
Upson Nut Co., Unionville, Conn.

II. SPRING BOLTS.
Franklin Moore Co., Winsted, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Upson Nut Co., Unionville, Conn.
Van Wagoner & Williams Co., 82 Beekman St., New York.

JJ. SQUARE CASED BOLTS.
Norwich Lock Mfg. Co., Norwich, Conn.
Upson Nut Co., Unionville, Conn.

KK. STOVE BOLTS.
American Screw Co., Providence, R. I.
Chicago Forge & Bolt Co., 40th St. cor. Stewart Av., Chicago, Ill.
Lamson & Sessions Co., Cleveland, O.
Michigan Bolt & Nut Works, Detroit, Mich.
Mount Carmel Bolt Co., Mt. Carmel, Conn.
Reed & Prince, Worcester, Mass.
Reynolds & Co., New Haven, Conn.
Russell, Burdsall & Ward, Port Chester, N. Y.
Upson Nut Co., Unionville, Conn.

LL. STUD BOLTS.
American Bolt Co., Lowell, Mass.
Dickson Mfg. Co., Scranton, Pa.
Hartford Machine Screw Co., Hartford, Conn.
Wm. H. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
Pennsylvania Nut & Bolt Co., Lebanon, Pa.
Port Chester Bolt & Nut Co., Port Chester, N. Y.
Reynolds & Co., New Haven, Conn.
J. H. Sternbergh & Son, Reading, Pa.
Western Automatic Machine Screw Co., Elyria, O.

MM. TAP BOLTS.
American Bolt Co., Lowell, Mass.
R. F. Hawkins Iron Works, Springfield, Mass.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Wm. H. Haskell Co., Pawtucket, R. I.
Michigan Bolt & Nut Co., Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.
National Bolt; Nut & Rivet Works, Reading, Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
Reynolds & Co., New Haven, Conn.

NN. TRACK BOLTS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Bolt Co., Lowell, Mass.
Birmingham Bridge & Bolt Works, Birmingham, Ala.
Cambria Iron Co., Johnstown, Pa.
Chicago Forge & Bolt Co., 40th St. cor. Stewart Av., Chicago, Ill.
Diamond State Iron Co., Wilmington, Del.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pennsylvania Bolt & Nut Co., Lebanon, Pa.
Pittsburg Forge & Iron Co., Pittsburgh, Pa.
Springfield Iron Co., Springfield, Ill.
J. H. Sternbergh & Son, Reading, Pa.
Tredegar Co., Richmond, Va.

Tudor Iron Works 415 Locust St., St. Louis, Mo.
Upson Nut Co., Cleveland, O.
Vulcan Iron Co., Richmond, Va.

OO. WAGON BOLTS.
McCosh Iron & Steel Co., Burlington, Iowa.
Pawtucket Mfg. Co., Pawtucket, R. I.

PP. WHIFFLETREE BOLTS.
Franklin Moore Co., New Haven, Conn.
McCosh Iron & Steel Co., Burlington, Iowa.
Upson Nut Co., Unionville, Conn.

QQ. WINDOW BOLTS.
McCosh Iron & Steel Co., Burlington, Iowa.

RR. YELLOW METAL BOLTS.
Taunton Copper Mfg. Co., Taunton, Mass. *51

502. BOLT ENDS.

Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Bolt Co., Lowell, Mass.
Anderson Bolt Works, Anderson, Ind.
Dickson Mfg. Co., Scranton, Pa.
Fowler & Sons, Anderson, Ind.
R. F. Hawkins Iron Works, Springfield, Mass.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
McCosh Iron & Steel Co., Burlington, Iowa.
Michigan Bolt & Nut Works, Detroit, Mich.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
H. D. Smith & Co., Plantsville, Conn.
J. H. Sternbergh & Son, Reading, Pa.
Upson Nut Co., Unionville, Conn.
Vulcan Iron Co., Richmond, Va.

503 BRACKETS.

A. BIRD CAGE BRACKETS.
Bromwell Brush & Wire Goods Co., 181 Walnut St. Cincinnati, O.
Andrew B. Hendryx Co., New Haven, Conn.
John Maxwell, 259 Pearl St., New York.
Peck, Stow & Wilcox Co., Southington, Conn.
Geo. W. Pierce & Co., Buffalo, N. Y.

B. BRASS & NICKEL BRACKETS.
H. L. Judd & Co., 87 Chambers St., New York.
J. & R. Lamb, 59 Carmine St., New York.
Norwich Nickel & Brass Wks., Norwich, Conn. *6

C. COUNTER SUPPORTS.
J. E. Bolles & Co., Detroit, Mich.
Fred. J. Meyers Mfg. Co., Covington, Ky.

D. FLOWER POT BRACKETS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Landers, Frary & Clark, New Britain, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Peck, Stow & Wilcox Co., Southington, Conn.

E. MATCH BOX BRACKETS.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

F. PEW RACK BRACKETS.
Union Mfg. Co., New Britain, Conn.

G. PICTURE ROD BRACKETS.
H. L. Judd & Co., 87 Chambers St., New York.

H. POLE BRACKETS.
Globe Curtain Pole Co., Waterbury, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

I. SHELF BRACKETS.
H. L. Judd & Co., 87 Chambers St., New York.
Meriden Malleable Iron Co., Meriden, Conn.
N. E. Butt Co., Providence, R. I. *138
J. W. Patton, Macon, Mo.
Peck, Stow & Wilcox Co., Southington, Conn.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
John Savery's Son & Co., 97 Beekman St., New York.
Stover Mfg. Co., Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.

J. STAIR RAIL BRACKETS.
Shepard Hardware Co., Buffalo, N. Y.
J. Gibb Smith Co., New Haven, Conn.
Union Mfg. Co., New Britain, Conn. *124

K. STORE SHELVING IRONS.
J. W. Patton, Macon City, Mo.
Standard Gig Saddle Co., Jackson, Mich.

L. UMBRELLA BRACKETS.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

504. BRADS.

Atlas Tack Corporation, Sear's Building, Boston, Mass.
Chicago Tack Co., Grand Crossing, Ill.
Cobb & Drew, Plymouth, Mass.
Cumberland Nail & Iron Co., 43 N. Water St., Philadelphia, Pa.
Duncannon Iron Co., 122 Race St., Philadelphia, Pa.
Florence Tack Co., Florence, Mass.
Grand Crossing Tack Co., Grand Crossing, Ill.
Hollis Tack & Nail Co., Ltd., Pittsburgh, Pa.
Sandwich Tack Co., Sandwich, Mass.
Stanley Works, New Britain, Conn. *32
Wire Goods Co., Worcester, Mass.

A. PICTURE FRAME POINTS.
Atlas Tack Corporation, Sear's Building, Boston, Mass.

B. WIRE BRADS.
American Screw Co., Providence, R. I.
Atlas Tack Corporation, Sear's Building, Boston, Mass.
Brooklyn Wire Nail Co., 124 Freeman St., Brooklyn, N. Y.
H. P. Nail Co., Cleveland, O.

	Russell & Erwin Mfg. Co., New Britain, Conn.	
	Wire Goods Co., Worcester, Mass.	
	Worcester Wire Co., Worcester, Mass.	
C. WIRE BRADS, STEEL.	Wire Goods Co., Worcester, Mass.	
	Worcester Wire Co., Worcester, Mass.	
505. BUCKLES.		
A. ARCTIC BUCKLES.	American Buckle & Cartridge Co., West Haven, Mass.	
	Goodyear Buckle Co., 14 Dunham Place, Brooklyn, N. Y.	
	Hammond Buckle Co., Rockville, Conn.	
	Meriden Buckle Co., Meriden, Conn.	
B. LADIES' BELT BUCKLES.	Edw. Simon & Bros., Newark, N. J.	
C. SHOE BUCKLES.	Chapman & Armstrong Mfg. Co., Waterbury, Conn.	
	Hammond Buckle Co., Rockville, Conn.	
D. SKATE STRAP BUCKLES.	Goodyear Buckle Co., Brooklyn, N. Y.	
	Pratt & Letchworth, Buffalo, N. Y.	
506. BURRS.		
A. COPPER BURRS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Wallace & Sons, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
B. IRON BURRS.	American Screw Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Cobb & Drew, Plymouth, Mass.	
	Reed & Prince, Worcester, Mass,	
	Upson Nut Co., Unionville, Conn.	
507. BUTTS.		
A. BRASS BUTTS.	American Ring Co., Waterbury, Conn.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	H. D. Bronson Co., Beacon Falls, Conn.	
	P. & F. Corbin, New Britain, Conn.	
	Eagle Lock Co., Terryville, Conn.	
	New England Butt Co., Providence, R. I.	*138
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Russell & Erwin Mfg. Co., New Britain, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Union Mfg. Co., New Britain, Conn.	*124
	Wallace & Sons, Ansonia, Conn.	
B. BRONZE BUTTS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	P. & F. Corbin, New Britain, Conn.	
	McKinney Mfg. Co., Allegheny City, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Peck, Stow & Wilcox, Southington, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Roy & Co., W. Troy, N. Y.	
	Stanley Works, New Britain, Conn.	*32
	Union Mfg. Co., New Britain, Conn.	*124
	Wheeling Hinge Co., Wheeling, W. Va.	
C. CAST BUTTS.	N. E. Butt, Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Union Mfg. Co., New Britain, Conn.	*124
D. DOOR BUTTS.	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	McKinney Mfg. Co., Allegheny City, Pa.	
	New England Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Peck, Stow & Wilcox, Southington, Conn.	
	Roy & Co., W. Troy, N. Y.	
	Sargent & Co., New Haven, Conn.	
	Stanley Works, New Britain, Conn.	*32
	Union Mfg. Co., New Britain, Conn.	*124
	Wheeling Hinge Co., Wheeling, W. Va.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
E. LOOSE JOINT BUTTS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	N. E. Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stanley Works, New Britain, Conn.	*32
F. LOOSE PIN BUTTS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	N. E. Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stanley Works, New Britain, Conn.	*32
G. SHUTTER BUTTS.	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa	

	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stanley Works, New Britain, Conn.	*32
H. SPRING BUTTS.	Chicago Spring Butt Co., 491 Carroll Av., Chicago, Ill.	
	McKinney Mfg. Co., Allegheny City, Pa.	
	Peck, Stow & Wilcox, Southington, Conn.	
	Roy & Co., W. Troy, N. Y.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
	Stanley Works, New Britain, Conn.	*32
	E. C. Stearns & Co., Syracuse, N. Y.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	Wheeling Hinge Co., Wheeling, W. Va.	
I. SPRING BUTTS, DOUBLE ACTING.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
J. STEEL BUTTS.	Stanley Works, New Britain, Conn.	*32
K. STEEL BUTTS, NICKEL PLATED.	Stanley Works, New Britain, Conn.	*32
L. STEEL BUTTS, JAPANNED.	Stanley Works, New Britain, Conn.	*32
508. BUTTONS, HARDWARE.	American Ring Co., Waterbury, Conn.	
	P. & F. Corbin, New Britain, Conn.	
	Foster, Merriam & Co., Meriden, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
509. CARD FRAMES.	H. L. Judd & Co., 87 Chambers St., New York.	
510. CASTERS.		
A. FURNITURE CASTERS.	Champion Mfg. Co., Richmond, Ind.	
	Geo. P. Clark, Windsor Locks, Conn.	
	John Duer & Sons, Baltimore, Md.	
	Foster, Merriam & Co., Meriden, Conn.	
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Jas. L. Haven & Co., 56 Plum St., Cincinnati, O.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Phœnix Caster Co., Indianapolis, Ind.	
	E. C. Stearns & Co., Syracuse, N. Y.	
	John Toler, Sons & Co., Newark, N. J.	
	Tucker & Dorsey Mfg. Co., Indianapolis, Ind.	
B. TRUCK CASTERS.	E. C. Stearns & Co., Syracuse, N. Y.	
	Saml. C. Tatum, John & Water Sts., Cincinnati, O.	
511. CATCHES.		
A. CIGAR BOX CATCHES.	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.	
B. CUPBOARD CATCHES.	Branford Lock Works, Branford, Conn.	*230-9
	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
	National Mfg. Co., Lancaster, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
C. PLUSH BOX CATCHES.	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.	
D. SCREEN DOOR CATCHES.	Branford Lock Works, Branford, Conn.	*230-9
	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
	National Mfg. Co., Lancaster, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
E. TRANSOM CATCHES.	Branford Locks Works, Branford, Conn.	*230-9
	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
512. CHAIN.		
A. AGRICULTURAL CHAINS.	Miller Chain Works, Akron, O.	
	Nes Chain Mfg. Co., York, Pa.	
	John C. Schmidt & Co., York, Pa.	
	Trenton Iron Co., Trenton, N. J.	
B. BRASS CHAINS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Bridgeport Chain Co., Bridgeport, Conn.	
	Andrew B. Hendryx Co., New Haven, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Wallace & Sons, Ansonia, Conn.	
C. BRASS PICTURE CHAINS.	Bridgeport Chain Co., Bridgeport, Conn.	
	Findlay Rolling Mill Co., Findlay, O.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	H. L. Judd & Co., 87 Chambers St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
D. CABLE CHAINS.	Baker Chain & Wagon Iron Mfg. Co., Allegheny, Pa.	
	J. B. Carr & Co., Troy, N. Y.	
	Findlay Rolling Mill Co., Findlay, O.	
	Harrison Loring, S. 1st St. bet. L & M Sts., Boston, Mass.	
	Miller Chain Works, Akron, O.	
	Nes Chain Mfg. Co., York, Pa.	

John C. Schmidt & Co., York, Pa.
Trenton Iron Co., Trenton, N. J.
West End Rolling Mill Co., Lebanon, Pa.

E. COIL CHAINS.
Jas. McKay & Co., Pittsburgh, Pa.
Miller Chain Works, Akron, O.
Nes Chain Mfg. Co., York, Pa.
John C. Schmidt & Co., York, Pa.
West End Rolling Mill Co., Ltd., Lebanon, Pa.

F. CRANE CHAINS.
Baker Chain & Wagon Iron Mfg. Co., Allegheny, Pa.
Bradlee & Co., Beach St. & E. Susquehanna Av., Philadelphia, Pa.
J. B. Carr & Co., Troy, N. Y.
Harrison Loring, S. 1st St. bet. L & M Sts., Boston, Mass.
Jas. McKay & Co., Pittsburgh, Pa.
John Robson & Son, Pittsburgh, Pa.
Trenton Iron Co., Trenton, N. J.
West End Rolling Mill Co., Ltd., Lebanon, Pa.

G. CURTAIN CHAINS.
Chapman & Armstrong Mfg. Co., Waterbury, Conn.
Globe Curtain Pole Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

H. DRAPERY CHAINS.
H. L. Judd & Co., 87 Chambers St., New York.
John Kroder, 255 Canal St., New York.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

I. HANGING BASKET CHAINS.
Bridgeport Chain Co., Bridgeport, Conn.
H. L. Judd & Co., 87 Chambers St., New York.

J. IRON CHAINS.
W. G. Alden, Camden, Me.
American Iron & Steel Works, Pittsburgh, Pa.
J. Baker & Co., 79 Commercial St., Boston, Mass.
Geo. B. Carpenter & Co., 208 S. Water St., Chicago, Ill.
J. B. Carr & Co., Troy, N. Y.
Andrew B. Hendryx Co., New Haven, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Nes Chain Mfg. Co., York, Pa.
John C. Schmidt & Co., York, Pa.
Train, Dorr & Co., 9 Commercial Wharf, Boston, Mass.
Uhler & English, 106 N. Delaware Av., Philadelphia, Pa.
Wallace & Sons, Ansonia, Conn.
West End Rolling Mill Co., Ltd., Lebanon, Pa.

K. JACK CHAINS.
American Ring Co., Waterbury, Conn.
J. B. Carr & Co., Troy, N. Y.
Andrew B. Hendryx Co., New Haven, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Steele & Johnson, South Main St., Waterbury, Conn.

L. LOG CHAINS.
J. B. Carr & Co., Troy, N. Y.
Covert Mfg. Co., W. Troy, N. Y. *17
Nes Chain Mfg. Co., York, Pa.
John C. Schmidt & Co., York, Pa.
West End Rolling Mill Co., Ltd., Lebanon, Pa.

M. MINING CHAINS
Bradlee & Co., Beach St. & E. Susquehanna Av., Phila., Pa
J. B. Carr & Co., Troy, N. Y.
H. H. Harvey, 116 High St., Boston, Mass.
Jeffrey Mfg. Co., Columbus, O.

N. PLUMBERS' CHAINS
Bridgeport Chain Co., Bridgeport, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Wallace & Sons, Ansonia, Conn.

O. PUMP CHAINS.
W. & B. Douglas, Middletown, Conn. *162
Union Mfg. Co., New Britain, Conn. *124
Washburn & Moen Mfg. Co., Worcester, Mass. *101

P. SAFETY CHAINS.
Plume & Atwood Mfg. Co., Waterbury, Conn.

Q. SASH CHAINS.
Bridgeport Chain Co., Bridgeport, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Thomas S. Morton, 65 Elizabeth St., New York.
Oneida Community, Ltd., Community, N. Y.
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Wire Goods Co., Worcester, Mass.

R. STEEL CHAINS.
J. B. Carr & Co., Troy, N. Y.
Thomas S. Morton, 65 Elizabeth St., New York.

513. CLEVISES.
John C. Schmidt & Co., York, Pa.
Cleveland Hardware Co., Cleveland, O.
Eberhard Mfg. Co., Cleveland, O.
Hapgood Plow Co., Alton, Ill.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.

Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.
South Bend Chilled Plow Co., South Bend, Ind.
L. A. Weyburn Co., Rockford, Ill.

A. JOINT HOOKS & CLEVISES. Racine Malleable & Wrought Iron Co., Racine, Wis.

514. CURTAIN FIXTURES.

A. CHAIN PULLS. Globe Curtain Pole Co., Waterbury, Conn.

B. CORD HOLDERS. H. L. Judd & Co., 87 Chambers St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.

C. CURTAIN BANDS. H. L. Judd & Co., 87 Chambers St., New York.

D. CURTAIN CLASPS. Henry W. Green & Co., 1716 Market St., Philadelphia, Pa.
Stewart Hartshorn, Harrison, N. J.
H. L. Judd & Co., 87 Chambers St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.

E. CURTAIN FASTENERS. C. Cowles & Co., New Haven, Conn.
English & Mersick, New Haven, Conn.
Meriden Curtain Fixture Co., Meriden, Conn.
Metal Stamping Co., 406 E. 33d St., New York.
Miller Lock Co., Frankford, Philadelphia, Pa.

F. SHADE PULLS American Ring Co., Waterbury, Conn.
Globe Curtain Pole Co., Waterbury, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
John Kroder, 255 Canal St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn

515. CURTAIN POLES, BRASS.

Globe Curtain Pole Co., Waterbury, Conn.
M. Gould's Son & Co., 105 Duane St., New York.
Henry W. Green & Co., 1716 Market St., Philadelphia, Pa
H. L. Judd & Co., 87 Chambers St., New York.
John Kroder, 255 Canal St., New York.
W. T. Mersereau & Co., Newark, N. J.
Scovill Mfg. Co., Waterbury, Conn.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

A. BEDSTEAD POLES. Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. CORNICE POLES. Burlington Shade Roller Co., Burlington, Vt.
H. L. Judd & Co., 87 Chambers St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

C. POLE ENDS. H. L. Judd & Co., 87 Chambers St., New York.
John Kroder, 255 Canal St., New York.
Manhattan Brass Co., 338 E. 28th St., New York.
M. Seward & Son, New Haven, Conn.
H. D. Smith & Co., Plantsville, Conn.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

D. POLE FIXTURES. Robert S. Gould & Co., 368 Broadway, New York.
Manhattan Brass Co., 338 E. 28th St., New York.
H. D. Smith & Co., Plantsville, Conn.

E. POLE JOINTS, ADJUSTABLE. H. L. Judd & Co., 87 Chambers St., New York.

F. POLE SOCKETS. H. L. Judd & Co., 87 Chambers St., New York.

516. CUTLERY.

A. CARVERS' SETS. Landers, Frary & Clark, New Britain, Conn.
Meriden Britannia Co., Meriden, Conn.
Nichols Bros., Bernardston, Mass.
Northampton Cutlery Co., Northampton, Mass.
John Russell Cutlery Co., Turner's Falls, Mass.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Wallace & Sons Mfg. Co., Wallingford, Conn.
Williams Bros. Mfg. Co., Naubuc, Conn.

B. CHEESE SCOOPS. Landers, Frary & Clark, New Britain, Conn.
Meriden Britannia Co., Meriden, Conn.
Meriden Cutlery Co., Meriden, Conn.
C. S. Osborne & Co., Newark, N. J.
John Russell Cutlery Co., Turner's Falls, Mass.
Wallace & Sons Mfg. Co., Wallingford, Conn.

C. CUTLERY, KITCHEN. C. J. Kimball & Son, Bennington, N. H.
Landers, Frary & Clark, New Britain, Conn.
Northampton Cutlery Co., Northampton, Mass.

D. CUTLERY NOVELTIES. Hatch & Holmes Mfg. Co., Bridgeport, Conn.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

E. CUTLERY, POCKET. American Shear Co., Hotchkissville, Conn.
Automatic Knife Co., Middletown, Conn.
A. F. Bannister & Co., Newark, N. J.
Canastota Knife Co., Canastota, N. Y.
Hatch & Holmes Mfg. Co., Bridgeport, Conn.

	Humason & Beckley Mfg. Co., New Britain, Conn.
	Miller Bros. Cutlery Co., Meriden, Conn.
	Northfield Knife Co., Northfield, Conn.
	Southington Cutlery Co., Southington, Conn.
F. CUTLERY. TABLE.	Landers, Frary & Clark, New Britain, Conn.
	Meriden Cutlery Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
	Northampton Cutlery Co., Northampton, Mass.
	Sanson Cutlery Co., Wilkes Barre, Pa.
	Williams Bros. Mfg. Co., Naubuc, Conn.
G. KNIVES. BANANA.	Landers, Frary & Clark, New Britain, Conn.
	Tuck Mfg. Co., Brockton, Mass.
H. KNIVES, BONING.	Goodell Co., Antrim, N. H.
	Meriden Britannia Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
I. KNIVES, BREAD.	Goodell Co., Antrim, N. H.
	Landers, Frary & Clark, New Britain, Conn.
	H. A. Lothrop Mfg. Co., Sharon, Mass.
	Meriden Cutlery Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
	Northampton Cutlery Co., Northampton, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
	Williams Bros. Mfg. Co., Naubuc, Conn.
J. KNIVES, CARVING.	La Belle Cutlery Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	Meriden Cutlery Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
K. KNIVES, CHEESE.	Goodell Co., Antrim, N. H.
	Landers, Frary & Clark, New Britain, Conn.
	H. A. Lothrop Mfg. Co., Sharon, Mass.
	Meriden Cutlery Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
L. KNIVES, FISH.	C. J. Kimball & Son, Bennington, N. H.
	H. A. Lothrop Mfg. Co., Sharon, Mass.
	Meriden Britannia Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
	Rogers & Hamilton Co., Waterbury, Conn. *26
	John Russell Cutlery Co., Turner's Falls, Mass.
M. KNIVES, FISH SCALING.	Chalfant Mfg. Co., Atglen, Pa.
	Landers, Frary & Clark, New Britain, Conn.
	John Russell Cutlery Co., Turner's Falls, Mass.
N. KNIVES, FRUIT.	Landers, Frary & Clark, New Britain, Conn.
	Meriden Cutlery Co., Meriden, Conn.
	Northampton Cutlery Co., Northampton, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
	Simpson, Hall, Miller & Co., Wallingford, Conn.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
O. KNIVES, HUNTING.	Goodell Co., Antrim, N. H.
	Humason & Beckley Mfg. Co., New Britain, Conn.
	Meriden Cutlery Co., Meriden, Conn.
	Miller Bros. Cutlery Co., Meriden, Conn.
	Northampton Cutlery Co., Northampton, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
	Williams Bros. Mfg. Co., Naubuc, Conn.
P. KNIVES, KITCHEN.	Goodell Co., Antrim, N. H.
	Landers, Frary & Clark, New Britain, Conn.
	H. A. Lothrop Mfg. Co., Sharon, Mass.
	Meriden Cutlery Co., Meriden, Conn.
	Northampton Cutlery Co., Northampton, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
	Williams Bros. Mfg. Co., Naubuc, Conn.
Q. KNIVES, LEMON & ORANGE.	Meriden Cutlery Co., Meriden, Conn.
	John Russell Cutlery Co., Turner's Falls, Mass.
R. KNIVES, MINCING.	American Saw Co., Trenton, N. J.
	G. V. Brecht Butchers' Supply Co., 1201 Cass Av., St. Louis, Mo.
	Peter Gerlach & Co., Cleveland, O.
	A. S. Henn & Co., New Haven, Conn.
	H. W. Humphrey, Unionville, Conn.
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	H. A. Lothrop Mfg. Co., Sharon, Mass.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	C. S. Osborne & Co., Newark, N. J.
	Palmer Hardware Mfg. Co., Troy, N. Y.
	Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

S. KNIVES, POCKET.	Canastota Knife Co., Canastota, N. Y.	
	Electric Cutlery Co., 91 Chambers St., New York.	
	Empire Knife Co., W. Winsted, Conn.	
	Miller Bros. Cutlery Co., Meriden, Conn.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
T. KNIVES, SELF-GAUGING CHEESE.	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.	
U. KNIVES, SHEATH.	Landers, Frary & Clark, New Britain, Conn.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
V. KNIVES, SLICER.	Meriden Cutlery Co., Meriden, Conn.	
	Nichols Bros., Bernardston, Mass.	
	Northampton Cutlery Co., Northampton. Mass.	
	C. S. Osborne & Co., Newark, N. J.	
W. KNIVES, 3PLITTING.	John Loyd, 562 Water St., New York.	
	Nichols Bros., Bernardston, Mass.	
X. KNIVES, STEAK.	Nichols Bros., Bernardston, Mass.	
Y. KNIVES, TABLE.	Goodell Co., Antrim, N. H.	
	Meriden Cutlery Co., Meriden, Conn.	
	Middletown Plate Co., Middletown, Conn.	
	Northampton Cutlery Co., Northampton, Mass.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
	Williams Bros. Mfg. Co., Naubuc, Conn.	
Z. LADIES' SCISSORS.	Ohio Co-operative Shear Co., Elyria, O.	*36
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
AA. LADIES' TRIMMERS.	Ohio Co-operative Shear Co., Elyria, O.	*36
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
BB. LAMP TRIMMERS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Chalfant Mfg. Co., Atglen, Pa.	
	Ohio Co-operative Shear Co., Elyria, O.	*36
	Wallace & Sons, Ansonia, Conn.	
CC. NUT PICKS.	Acme Shear Co., Bridgeport, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Landers, Frary & Clark, New Britain, Conn.	
	Meriden Britannia Co., Meriden. Conn.	
	Meriden Cutlery Co., Meriden, Conn.	
	Northampton Cutlery Co., Northampton, Mass.	
	H. M. Quackenbush, Herkimer, N. Y.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
	Simpson, Hall, Miller & Co., Wallingford, Conn.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
DD. ONE ARMED MEN'S KNIVES.	Meriden Cutlery Co., Meriden, Conn.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
EE. RAZORS.	Challenge Razor Co., Bridgeport, Conn.	
	Electric Cutlery Co., 91 Chambers St., New York.	
	Empire Knife Co., W. Winsted, Conn.	
	T. Hessenbruch & Co., 8 N. 5th St., Philadelphia, Pa.	
	Kampfe Bros., 8 Reade St., New York.	
	Gust. Knecht Mfg. Co., 38 Randolph St., Chicago, Ill.	
	La Belle Cutlery Co., Bridgeport, Conn.	
	Southington Cutlery Co., Southington, Conn.	
	J. R. Torrey & Co., Worcester, Mass.	
FF. SAFETY RAZORS.	Diamond Safety Razor Co., Springfield, Mass.	
	Kampfe Bros., 8 Reade St., New York.	
GG. SCISSORS.	American Shear Co., Hotchkissville, Conn.	
	Clauss Shear Co., Freemont, O.	
	Electric Cutlery Co., 91 Chambers St., New York.	
	Empire Knife Co., W. Winsted, Conn.	
	R. Heinisch's Sons, Newark, N. J.	
	Thomas Hinchleffe, Milton, Conn.	
	La Belle Cutlery Co., Bridgeport, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	Meriden Cutlery Co., Meriden, Conn.	
	Miller Bros. Cutlery Co., Meriden, Conn.	
	Northfield Knife Co., Northfield, Conn.	
	Ohio Co-operative Shear Co., Elyria, O.	*36
	Wm. Schollhorn & Co., New Haven, Conn.	
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
	J. Wiss & Sons, Newark, N. J.	
HH. SCISSORS, BARBERS'.	Ohio Co-operative Shear Co., Elyria, O.	*36
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
II. SCISSORS, BUTTONHOLE.	Clauss Shear Co., Fremont, O.	
	Ohio Co-operative Shear Co., Elyria, O.	*36
	Wm. Schollhorn & Co., New Haven, Conn.	
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32

	J. Wiss & Sons, Newark, N. J.	
JJ. SCISSORS, EMBROIDERY.	Ohio Co-operative Shear Co., Elyria, O.	*36
	Wm. Schollhorn & Co., New Haven, Conn.	
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
KK. SCISSORS, FOLDING.	American Pin Co., Waterbury, Conn.	
LL. SCISSORS, MANICURE.	Wm. Schollhorn & Co., New Haven, Conn.	
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
MM. SCISSORS, POCKET.	R. Heinisch's Sons, Newark, N. J.	
	Ohio Co-operative Shear Co., Elyria, O.	*36
	Wm. Schollhorn & Co., New Haven, Conn.	
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
	J. Wiss & Sons, Newark, N. J.	
NN. SHEARS.	Acme Shear Co., Bridgeport, Conn.	
	American Shear Co., Hotchkissville, Conn.	
	Clauss Shear Co., Fremont, O.	
	Electric Cutlery Co., 91 Chambers St., New York.	
	Empire Knife Co., W. Winsted, Conn.	
	R. Heinisch's Sons, Newark, N. J.	
	Thos. Hinchleffe, Milton, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	Miller Bros. Cutlery Co., Meriden, Conn.	
	Northfield Knife Co., Northfield, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Ohio Co-operative Shear Co., Elyria, O.	*36
	Wm. Schollhorn & Co., New Haven, Conn.	
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	J. Wiss & Sons, Newark, N. J.	
OO. SHEARS, GRAPE & FLOWER.	Acme Shear Co., Bridgeport, Conn.	
	Meriden Britannia Co., Meriden, Conn.	
PP. SHEARS, PAPERHANGERS'.	Ohio Co-operative Shear Co., Elyria, O.	*36
QQ. SHEARS, PRUNING.	Wm. Schollhorn & Co., New Haven, Conn.	
RR. STRAIGHT TRIMMERS.	Ohio Co-operative Shear Co., Elyria, O.	*36
SS. TABLE FORKS.	Goodell Co., Antrim, N. H.	
	Meriden Cutlery Co., Meriden, Conn.	
	Middletown Plate Co., Middletown, Conn.	
	Rogers & Hamilton Co., Waterbury, Conn.	*26
	Williams Bros. Mfg. Co., Naubuc, Conn.	
TT. TABLE STEELS.	Nichols Bros., Bernardston, Mass.	
	Northampton Cutlery Co., Northampton, Mass.	
517. DESK RAILINGS, BRASS.	H. L. Judd & Co., 87 Chambers St., New York.	
	Norwich Nickel & Brass Works, Norwich, Conn.	*6
	Palmer Hardware Mfg. Co., Troy, N. Y.	
	Reliance Wire Works Co., Milwaukee, Wis.	
518. DOOR FURNITURE.		
A. DOOR KNOB TRIMMINGS.	Mallory-Wheeler Co., New Haven, Conn.	
	N. E. Butt Co., Providence, R. I.	*138
	Waterbury Button Co., Waterbury, Conn.	
B. DOOR KNOCKERS.	Sargent & Co., New Haven, Conn.	
C. PUSH PLATES.	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Mallory-Wheeler Co., New Haven, Conn.	
D. SLIDING DOOR SETS.	Norwich Lock Mfg. Co., Norwich, Conn.	
519. DOOR HANDLES.		
A. BAR DOOR HANDLES.	P. & F. Corbin, New Britain, Conn.	
	Mallory-Wheeler Co., New Haven, Conn.	
B. BRONZE DOOR HANDLES.	P. & F. Corbin, New Britain, Conn.	
	Mallory-Wheeler Co., New Haven, Conn.	
C. DOOR PULLS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	P. & F. Corbin, New Britain, Conn.	
	Detroit Electrical Works, Detroit, Mich.	
	Mallory Wheeler Co , New Haven, Conn.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
D. SCREEN DOOR PULLS.	Ireland Mfg. Co., 78 Harrison St., Cincinnati, O.	
	Stover Mfg. Co., Freeport, Ill.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
E. SLIDING DOOR PULLS.	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Mallory-Wheeler Co., New Haven, Conn.	
F. STORE DOOR HANDLES.	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Stover Mfg. Co., Freeport, Ill.	

520. DOOR HANGERS.

A. BARN DOOR HANGERS.	Arnold & Co., Norwalk, Conn.	
	Cronk Hanger Co., Elmira, N. Y.	
	Abram Ellwood, Sycamore, Ill.	
	N. E. Butt Co., Providence, R. I.	*138
	Penn. Hardware Co., Reading, Pa.	
	Reading Hardware Co., Reading, Pa.	
	E. R. Saxton, Buffalo, N. Y.	
	Scranton Mfg. Co., 127 Indiana St., Chicago, Ill.	
	E. C. Stearns & Co., Syracuse, N. Y.	
	Joliet Strowbridge Co., Joliet, Ill.	
	Taylor & Boggis Foundry Co., Cleveland, O.	
	Union Mfg. Co., New Britain, Conn.	*124
B. ELEVATOR DOOR HANGERS.	Scranton Mfg. Co., 127 Indiana St., Chicago, Ill.	
C. SLIDING DOOR HANGERS.	Bartlett Hardware Co., Freeport, Ill.	
	Branford Lock Works, Branford, Conn.	*230–9
	Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.	
	Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.	
	P. & F. Corbin, New Britain, Conn.	
	Cronk Hanger Co., Elmira, N. Y.	
	Lane Bros., Poughkeepsie, N. Y.	
	Moore Mfg. & Foundry Co., Milwaukee, Wis.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Prindle Mfg. Co., Aurora, Ill.	
	Scranton Mfg. Co., 127 Indiana St., Chicago, Ill.	
	Seneca Falls Mfg. Co., Seneca Falls, N. Y.	
	E. C. Stearns & Co., Syracuse, N. Y.	
	Warner Mfg. Co., Freeport, Ill.	
	Wilcox Mfg. Co., Aurora, Ill.	

521. DOOR RAILS.

	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Stanley Works, New Britain, Conn.	*32
	E. C. Stearns & Co., Syracuse, N. Y.	
A. BARN DOOR RAILS.	Cronk Hanger Co., Elmira, N. Y.	
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	N. E. Butt Co., Providence, R. I.	*138
	Union Mfg. Co., New Britain, Conn.	*124
B. DOOR RAILS, BRASS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Wallace & Sons, Ansonia, Conn.	
C. SLIDING DOOR RAILS.	Branford Lock Works, Branford, Conn.	*230–9
	Norwich Lock Mfg. Co., Norwich, Conn.	

522. DOOR SHEAVES.

A. BARN DOOR ROLLERS.	Arnold & Co., Norwalk, Conn.	
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	Mallory-Wheeler Co., New Haven, Conn.	
	N. E. Butt Co., Providence, R. I.	*138
B. SLIDING DOOR ROLLERS.	Branford Lock Works, Branford, Conn.	*230–9
	Lane Bros., Poughkeepsie, N. Y.	
	N. E. Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Palmer Hardware Mfg. Co., Troy, N. Y.	
	I. S. Spencer's Sons, Guilford, Conn.	
	E. C. Stearns & Co., Syracuse, N. Y.	

523. DOOR SPRINGS.

	Bartlett Hardware Co., Freeport, Ill.	
	Brittan, Graham & Mathes, Pittsburgh, Pa.	
	Freeport Hardware Mfg. Co., Freeport, Ill.	
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	Morgan Spring Co., Worcester, Mass.	
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Sabin Machine Co., Montpelier, Vt.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	Warner Mfg. Co., Freeport, Ill.	
A. BURGLAR ALARM DOOR SPRINGS.	New Haven Clock Co., New Haven, Conn.	
B. COIL DOOR SPRINGS.	Wallace Barnes, Bristol, Conn.	
	Freeport Hardware Mfg. Co., Freeport, Ill.	
	Morgan Spring Co., Worcester, Mass.	
	Union Mfg. Co., New Britain, Conn.	*124
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
C. ROD DOOR SPRINGS.	Morgan Spring Co., Worcester, Mass.	

	Van Wagoner & Williams Co., 82 Beekman St., New York.	
524. DOOR STOPS.	Blount Mfg. Co., 42 Battery March, Boston, Mass.	
	Brittan, Graham & Mathes, Pittsburgh, Pa.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Cronk Hanger Co., Elmira, N. Y.	
	O. S. Judd, New Britain, Conn.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Mansfield Plating Works, Mansfield, O.	
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Union Hardware Co., Torrington, Conn.	
A. SLIDING DOOR STOPS.	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
525. ESCUTCHEONS.		
A. CUP ESCUTCHEONS.	Branford Lock Works, Branford, Conn.	*230–9
B. DOOR ESCUTCHEONS.	American Ring Co., Waterbury, Conn.	
	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Foster, Merriam & Co., Meriden, Conn.	
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Mallory-Wheeler Co., New Haven, Conn.	
	N. E. Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Sargent & Co., New Haven, Conn.	
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.	
C. DRAWER ESCUTCHEONS.	Branford Lock Works, Branford, Conn.	*230–9
	Foster, Merriam & Co., Meriden, Conn.	
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	N. E. Butt Co., Providence, R. I.	*138
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
D. KEYHOLE ESCUTCHEONS.	American Ring Co., Waterbury, Conn.	
	Branford Lock Works, Branford, Conn.	*230–9
	Brass Goods Mfg. Co., 88 Chambers St., New York.	
	Foster, Merriam & Co., Meriden, Conn.	
	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Mallory-Wheeler Co., New Haven, Conn.	
	N. E. Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
E. SLIDING DOOR ESCUTCHEONS.	Branford Lock Works, Branford, Conn.	*230–9
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Mallory-Wheeler Co., New Haven, Conn.	
	N. E. Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
526. FASTENERS, HARDWARE.		
A. BEDSTEAD FASTENERS.	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	Shepard Hardware Co., Buffalo, N. Y.	
B. BOX FASTENERS.	Brooklyn Fastener Co., 79 Washington St., Brooklyn, N. Y.	
C. DOOR FASTENERS.	Branford Lock Works, Branford, Conn.	*230–9
	P. J. Conway & Co., Philadelphia, Pa.	
D. HAMMOCK FASTENERS.	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	I. E. Palmer, Middletown, Conn.	*65
E. REFRIGERATOR FASTENERS.	P. J. Conway & Co., Philadelphia, Pa.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Snell Mfg. Co., 72 Reade St., New York.	
F. ROPE FASTENERS.	W. & E. T. Fitch, New Haven, Conn.	
G. SASH FASTENERS.	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	P. & F. Corbin, New Britain, Conn.	
	Hobart B. Ives & Co., New Haven, Conn.	
	O. S. Judd, New Britain, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
527. FERRULES.		
A. BRASS FERRULES.	American Ring Co., Waterbury, Conn.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Fowler & Co., Louisville, Ky.	
	H. W. Humphrey, Unionville, Conn.	

Novelty Mfg. Co., Waterbury, Conn.
John L. Parker & Co., Worcester, Mass.
Peck Bros. & Co., New Haven, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Union Hardware Co., Torrington, Conn.
Wallace & Sons, Ansonia, Conn.
Waterbury Brass Co., Waterbury, Conn.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71
Worcester Ferrule Mfg. Co., Worcester, Mass.

B. IRON FERRULES.
Auburn Mfg. Co., Auburn, N. Y.
John L. Parker & Co., Worcester, Mass.
Union Hardware Co., Torrington, Conn.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

C. SASH TOOL FERRULES.
H. O. Lothrop & Co., 312 Dorchester Av., S. Boston, Mass.

D. SEAMLESS FERRULES.
American Ring Co., Waterbury, Conn.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Novelty Mfg. Co., Waterbury, Conn.
John L. Parker & Co., Worcester, Mass.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

E. WIRE FERRULES.
H. O. Lothrop & Co., 312 Dorchester Av., S. Boston, Mass.

528. FISH SPEARS.
Collins & Co., 212 Water St., New York.

529. FOOT SCRAPERS.
Chalfant Mfg. Co., Atglen, Pa.
J. W. Fiske, 28 Park Place, New York.
Jas. L. Haven Co., 56 Plum St. Cincinnati, O.
Stover Mfg. Co., Freeport, Ill.

530. FURNITURE HANDLES.

A. CHEST HANDLES.
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Chalfant Mfg. Co., Atglen, Pa.
H. L. Judd & Co., 87 Chambers St., New York.
Stanley Works, New Britain, Conn. *32

B. DRAWER PULLS.
American Ring Co., Waterbury, Conn.
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn. *27
P. & F. Corbin, New Britain, Conn.
Foster, Merriam & Co., Meriden, Conn.
Grand Rapids Brass Co., Grand Rapids, Mich.
Landers, Frary & Clark, New Britain, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
Norwich Lock Mfg. Co., Norwich, Conn.
Penn. Hardware Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scranton Mfg. Co., 127 Indiana St., Chicago, Ill.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Stoddard Lock & Mfg. Co., Saybrook, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

C. DROP HANDLES.
American Ring Co., Waterbury, Conn.
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Foster, Merriam & Co., Meriden, Conn.
Grand Rapids Brass Co., Grand Rapids, Mich.
Meriden Malleable Iron Co., Meriden, Co.
Plume & Atwood Mfg. Co,, Waterbury, Conn.

D. ESCUTCHEON PULLS.
American Ring Co., Waterbury, Conn.
Stoddard Lock & Mfg. Co., Saybrook, Conn.

531. GAS TIP CLEANERS.
Jas. H. Seed, 21 Centre St., New York.

532. GATE FIXTURES.

A. FARM GATE HANGERS.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
Yale & Towne Mfg. Co., Stamford, Conn.

B. GATE HOOKS & EYES.
M. S. Brooks & Sons, Chester, Conn. *98
Humason & Beckley Mfg. Co., New Britain, Conn.
H. L. Judd & Co., 87 Chambers St., New York.

533. GLAZIERS' POINTS.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Hubbard & McClary, Windsor, Vt.
H. W. Humphrey, Unionville, Conn.
Stanley Works, New Britain, Conn. *32

534. GLUE POTS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Landers, Frary & Clark, New Britain, Conn.
S. Obermayer F. S. Mfg. Co., Evans St. S. of 8th St., Cin., O. *54
Palmer Mfg. Co., 290 Pearl St., New York.
Patton Mfg. Co., Columbus, O.
Sidney Shepard & Co., Buffalo, N. Y.

535. GONGS.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Bradley & Hubbard Mfg. Co., Meriden, Conn.

W. T. Garratt & Co., San Francisco, Cal.
McNab & Harlin Mfg. Co., Paterson, N. J.
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Wallace & Sons, Ansonia, Conn.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

A. SIGNAL GONGS. Gong Bell Mfg. Co., E. Hampton, Conn.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

B. STEEL GONGS. Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

C. TABLE GONGS. H. L. Judd & Co., 87 Chambers St., New York.

536. GUTTER IRONS.

A. CONDUCTOR FASTENERS. Berger Bros., 237 Arch St., Philadelphia, Pa.
Freeport Hardware Mfg. Co., Freeport, Ill.
Lamb & Richie, Cambridgeport, Mass.
Thompson Mfg. Co., Cleveland, O.

B. EAVES TROUGH HANGERS. Berger Bros., 237 Arch St., Philadelphia, Pa.
Freeport Hardware Mfg. Co., Freeport, Ill.
Henry B. Todd, Meriden, Conn.

537. HARDWARE.

A. AWNING HARDWARE Shelton Co., Birmingham, Conn.
E. C. Stearns & Co., Syracuse, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.

B. BUILDERS' HARDWARE. Branford Lock Co., Branford, Conn. *230-9
Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.
P. & F. Corbin, New Britain, Conn.
Hopkins & Dickson Mfg. Co., 260 Gold St., Brooklyn, N. Y.
Hobart B. Ives & Co., New Haven, Conn.
Lockwood Mfg. Co., S. Norwalk, Conn.
Mallory-Wheeler Co., New Haven, Conn.
N. E. Butt Co., Providence, R. I. *138
Nimick & Brittan Mfg. Co., Pittsburgh, Pa.
Norwich Lock Mfg. Co., Norwich, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn. *32
Stover Mfg. Co., Freeport, Ill.
Van Wagoner & Williams Co., 82 Beekman St., New York.
Wire Goods Co., Worcester, Mass.
J. F. Wollensak, 255 Lake St., Chicago, Ill.

C. CABINET HARDWARE. American Pin Co., Waterbury, Conn.
Foster, Merriam & Co., Meriden, Conn.
H. C. Hart Mfg. Co., Detroit, Mich.
Meriden Bronze Co., Meriden, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
Stanley Works, New Britain, Conn. *32

D. HARDWARE NOVELTIES. Thos. J. Andress, 821 Cherry St., Philadelphia, Pa.
Hobart B. Ives & Co., New Haven, Conn.
Landers, Frary & Clark, New Britain, Conn.
N. E. Butt Co., Providence, R. I. *138
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Phila., Pa.
C. J. Root, Bristol, Conn.
Stover Mfg. Co., Freeport, Ill.
N. R. Streeter & Co., Groton, N. Y.
Towel Rack Novelty Mfg. Co., Providence, R. I.
Turner & Seymour Mfg. Co., Torrington, Conn.
J. F. Wollensak, 225 Lake St., Chicago, Ill.

E. ICE HOUSE HARDWARE. Post & Co., 217 W. 4th St., Cincinnati, O.
J. G. Torrey & Son, Portland, Me.

F. REFRIGERATOR HARDWARE. Post & Co., 217 W. 4th St., Cincinnati, O.

G. SAIL MAKERS' HARDWARE. Wilcox, Crittenden & Co., Middletown, Conn.

H. SHADE HARDWARE. Globe Curtain Pole Co., Waterbury, Conn.
Henry W. Green & Co., 1716 Market St., Philadelphia, Pa.
H. L. Judd & Co., 87 Chambers St., New York.
Turner & Seymour Mfg. Co., Torrington, Conn.
Jay C. Wemple Co., 537 Broadway, New York.

I. SPECIAL HARDWARE. Belden Machine Co., New Haven, Conn.
R. H. Brown & Co., New Haven, Conn.
H. C. Hart Mfg. Co., Detroit, Mich.
New Britain Hardware Co., New Britain, Conn.

J. THEATRICAL HARDWARE. J. R. Clancy, Syracuse, N. Y.

K. TINNERS' HARDWARE. Berger Bros., 237 Arch St., Philadelphia, Pa.
Edward Miller & Co., Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.

Vulcan Iron Works, New Britain, Conn.

L. TRUNK HARDWARE.
Campfield & Wood, 20 Reade St., New York.
M. Gould's Son & Co., Newark, N. J.
R. C. Jenkinson & Co., Newark, N. J.
J. H. Sessions & Son, Bristol, Conn.

M. UPHOLSTERERS' HARDWARE.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Wire Goods Co., Worcester, Mass.

538. HARDWARE, MARINE.

W. R. Baker Mfg. Co., Watertown, N. Y.
Billings & Spencer Co., Hartford, Conn. *103
De Grauw, Aymar & Co., 34 South St., New York.
Thos. Laughlin & Son, Portland, Me.
Rhode Island Tool Co., Providence, R. I.
Wilcox, Crittenden & Co., Middletown, Conn.

A. ANCHORS.
W. G. Alden, Camden, Me.
J. Baker & Co., 79 Commercial St., Boston, Mass.
Cape Ann Anchor Works, Gloucester, Mass.
Geo. B. Carpenter & Co., 208 S. Water St., Chicago, Ill.
Chester Steel Casting Co., 407 Library St. Philadelphia, Pa.
De Grauw, Aymar & Co., 34 South St., New York.
Emporia Foundry & Machine Works, Emporia, Kan.
Thos. Laughlin & Son, Portland, Me.
Wharton McKnight, Pittsburgh, Pa.
Standard Iron Works, Minneapolis, Minn.
G. M. Stanwood & Co., Portland, Me.
Uhler & English, 106 N. Delaware Av., Philadelphia, Pa.

B. ANCHORS, FOLDING.
W. G. Alden, Camden, Me.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
L. W. Ferdinand & Co., 267 Federal St., Boston, Mass.
Shelton Co., Birmingham, Conn.
G. M. Stanwood & Co., Portland, Me.

C. BOAT CLEATS.
W. R. Baker Mfg. Co., Watertown, N. Y.
Thos. Laughlin & Son, Portland, Me.
Shelton Co., Birmingham, Conn.

D. BOAT DETACHERS.
Thos. Shaw, 915 Ridge Av., Philadelphia, Pa.

E. BOAT HOOKS.
W. R. Baker Mfg. Co., Watertown, N. Y.
Detroit Boat Works, Detroit, Mich.
Shelton Co., Birmingham, Conn.
G. M. Stanwood & Co., Portland, Me.

F. BRASS WORK, SHIP.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.

G. CHAIN INDICATORS.
American Ship Windlass Co., Providence, R. I. *119

H. CHAIN STOPPERS.
American Ship Windlass Co., Providence, R. I. *119

I. DECK IRONS.
Shelton Co., Birmingham, Conn.

J. HAWSING IRONS.
C. Drew & Co., Kingston, Mass.

K. HAWSE PIPE STOPPERS.
American Ship Windlass Co., Providence, R. I. *119
John C. Graff, Pittsburgh, Pa.

L. ROWLOCKS.
Pratt & Letchworth, Buffalo, N. Y.
Tower & Lyon, 95 Chambers St., New York.

M. RUDDER BRACES.
Thos. Laughlin & Son, Portland, Me.

N. RUDDER SUPPORTERS.
American Ship Windlass Co., Providence, R. I. *119

O. SAIL HOISTS.
Shelton Co., Birmingham, Conn.

P. SHIP FASTENINGS.
J. G. Torrey & Son, Rockland, Me.

Q. STEERING GEARS.
Barnes Tool Co., New Haven, Conn.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Thos. Laughlin & Son, Portland, Me.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

R. STEERING WHEELS.
Detroit Boat Works, Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Thos. Laughlin & Son, Portland, Me.

S. TRIMMINGS, CANOE.
Shelton Co., Birmingham, Conn.

T. TRIMMINGS, SHIP.
Thos. Laughlin & Son, Portland, Me.

U. TRIMMINGS, YACHT.
Shelton Co., Birmingham, Conn.
Thos. I. Simpson, 94 John St., New York.

539. HARDWARE SPECIALTIES.

A. CAN OPENERS.
A. S. Henn & Co., New Haven, Conn.
Glines & Holmes Mfg. Co., Bridgeport, Conn.
Humason & Beckley Mfg. Co., New Britain, Conn
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Landers, Frary & Clark, New Britain, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
James S. Newell & Co., 139 Milk St., Boston, Mass.
C. S. Osborne & Co., Newark, N. J.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
N. R. Streeter & Co., Groton, N. Y.
Tower & Lyon, 95 Chambers St., New York.

	F. R. Woodward, Hill, N. H.	
B. CHAMPAGNE CUTTERS.	Humason & Beckley Mfg. Co., New Britain, Conn.	
	C. S. Osborne & Co., Newark, N. J.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
	C. T. Williamson, Newark, N. J.	
C. CHERRY STONERS	Enterprise Mfg. Co. of Pa , N. 3d & Dauphin Sts., Phila., Pa.	
	Goodell Co., Antrim, N. H.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
D. CHRISTMAS TREE HOLDERS.	John Savery's Sons & Co., 97 Beekman St., New York.	
	Shepard Hardware Co., Buffalo, N. Y.	
E. CORK PRESSERS.	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.	
F. CORK PULLERS.	D. L. Bates & Bro., Dayton, O.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Herman Strater & Son, 74 Snoburg St., Boston, Mass.	
G. CORKSCREWS.	Arlington Mfg. Co., 392 Broadway, New York.	
	Bartlett Hardware Co., Freeport, Ill.	
	Wm. Crabb & Co., Newark, N. J.	
	Empire Knife Co., West Winsted, Conn.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Meriden Britannia Co., Meriden, Conn.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Seymour Smith & Son, Oakville, Conn.	
	Waterbury Button Co., Waterbury, Conn.	
	C. T. Williamson Wire Novelty Co., Newark, N. J.	
	F. R. Woodward, Hill, N. H.	
H. FRUIT PARERS.	A. F. Bannister & Co., Newark, N. J.	
	Goodell Co., Antrim, N. H.	
	C. E. Hudson, Leominster, Mass.	
	Nichols Bros., Bernardston, Mass.	
	Pennsylvania Hardware Co., Reading, Pa.	
	Reading Hardware Co., Reading, Pa.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
I. FRUIT PARERS, CORERS & SLICERS, COMBINED.	Goodell Co., Antrim, N. H.	
	C. E. Hudson, Leominster, Mass.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
J. ICE CHIPPERS.	D. L. Bates & Co., Dayton, O.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
K. ICE CRUSHERS.	G. Irving Abendroth, 36 W. 37th St., New York.	
	Clement & Dunbar, 1129 Beach St., Philadelphia, Pa.	
	Crandall & Godley, 157 Franklin St., New York.	
	Harrison S. B. W'ks, N. 17th St. & Allegheny Av., Phila., Pa.	
	C. E. Jennings & Co., Chester, Conn.	
	Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.	
	White Mountain Freezer Co., Nashua, N. H.	
L. ICE SHAVERS.	D. L. Bates & Bro., Dayton, O.	
	Silver Mfg. Co., Salem, O.	*205
M. MEAT CHOPPERS.	Athol Machine Co., Athol, Mass.	
	Boomer & Boschert Press Co., 235 Greenwich St., New York.	
	G. V. Brecht Butchers Supply Co., 1201 Cass Av., St. Louis, Mo.	
	Ellrich Hardware Mfg. Co., Plantsville, Conn.	
	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.	
	Kinyon Bros., Raritan, N. J.	
	Model Mfg. Co. of Pa., 197 Huntington St., Philadelphia, Pa.	
	Murray Iron Works Co., Burlington, Iowa.	
	C. S. Osborne & Co., Newark, N. J.	
	Silver Mfg. Co., Salem, O.	*205
	John E. Smith & Son, Buffalo, N. Y.	
N. MILK SHAKES.	D. L. Bates & Bro., Dayton, O.	
	Steel Pulley & Machine Works, Indianapolis, Ind.	
O. PEANUT ROASTERS.	T. B. C. Burpee, 1624 N. 9th St., Philadelphia, Pa.	
	Crandall & Godley, 157 Franklin St., New York.	
	Kingery Mfg. Co., 9 W. Pearl St., Cincinnati, O.	
	Thos. Lee, 79 Race St., Cincinnati, O.	
	W. E. Vernon, Oskaloosa, Iowa.	
P. PEA SHELLERS.	Landers, Frary & Clark, New Britain, Conn.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
Q. PEACH PITTING MACHINES	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
R. REVOLVING CLOTHES-DRYER IRONS.	Rumsey & Co., 107 Liberty St., New York.	
S. SAUSAGE MEAT CUTTERS.	Boomer & Boscher Press Co., 235 Greenwich St., New York.	
	Jas. L. Haven, 56 Plum St., Cincinnati, O.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	John E. Smith & Sons., Buffalo, N. Y.	
T. SMOKE BEEF SHAVERS.	Chadborn & Coldwell Mfg. Co., Newburg, N. Y.	
	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.	

	Model Mfg. Co. of Pa., 197 Huntington St., Philadelphia, Pa.	
U. SLAW & KRAUT CUTTERS.	H. Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.	
	Richardson Bros., Newark, N. J.	
	Tucker & Dorsey Mfg. Co., Indianapolis, Ind.	
V. VEGETABLE CUTTERS.	M. L. Edwards Mfg. Co., Salem, O.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
540. HASPS.	Wm. Chisholm & Sons, Cleveland, O.	
	Stanley Works, New Britain, Conn.	*32
	Wheeling Hinge Co., Wheeling, W. Va.	
A. HASPS & STAPLES.	Wm. Chisholm & Sons, Cleveland, O.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Stanley Works, New Britain, Conn.	*32
	Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill.	
	C. T. Williamson Wire Novelty Co., Newark, N. J.	
541. HINGES.		
A. BED LOUNGE HINGES.	Stanley Works, New Britain, Conn.	*32
	Wheeling Hinge Co., Wheeling, W. Va.	
B. BLIND HINGES.	Chalfant Mfg. Co., Atglen, Pa.	
	Freeport Hardware Mfg. Co., Freeport, Ill.	
	Wm. P. Kellogg, Troy, N. Y.	
	Shepard Hardware Co., Buffalo, N. Y.	
C. BRASS HINGES.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	P. J. Conroy & Co., Buist av., Philadelphia, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	C. J. Root, Bristol, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Stanley Works, New Britain, Conn.	*32
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
D. BRONZE HINGES.	Brittan, Graham & Mathes, Pittsburgh, Pa.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
E. CARRIAGE HINGES.	C. Cowles & Co., New Haven, Conn.	
	English & Mersick, New Haven, Conn.	
	Walter W. Woodruff & Sons, Mount Carmel, Conn.	
F. CIGAR BOX HINGES.	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.	
G. DOOR HINGES.	Ætna Nut Co., Southington, Conn.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	P. & F. Corbin, New Britain, Conn.	
	Dayton Mfg. Co., Dayton, O.	
	J. W. Fiske, 28 Park Place, New York.	
	N. E. Butt Co., Providence, R. I.	*138
	Roy & Co., W. Troy, N. Y.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
	Stanley Works, New Britain, Conn.	*32
	Union Mfg. Co., New Britain, Conn.	*124
	Wheeling Hinge Co., Wheeling, W. Va.	
H. GATE HINGES.	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	N. E. Butt Co., Providence, R. I.	*138
	Racine Hardware Mfg. Co., Racine, Wis.	
	Scranton Mfg. Co., 127 Indiana St., Chicago, Ill.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Union Mfg. Co., New Britain, Conn.	*124
I. GATE HINGES, SELF-CLOSING.	N. E. Butt Co., Providence, R. I.	*138
	Shepard Hardware Co., Buffalo, N. Y.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
J. HOOK AND EYE HINGES.	Wheeling Hinge Co., Wheeling, W. Va.	
K, PIANO HINGES.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
L. RATCHET SPRING HINGES.	Peck, Stow & Wilcox Co., Southington, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
M. REFRIGERATOR DOOR HINGES.	P. J. Conroy & Co., Buist Av., Philadelphia, Pa.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
N. SPRING DOOR HINGES.	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	Stover Mfg. Co., Freeport, Ill.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
O. SPRING HINGES.	Arcade Mfg. Co., Freeport, Ill.	
	Bartlett Hardware Co., Freeport, Ill.	
	Freeport Hardware Mfg. Co., Freeport, Ill.	
	H. C. Hart Mfg. Co., Detroit, Mich.	
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	Knapp & Cowles Mfg. Co , Bridgeport, Conn.	
	Sabin Machine Co., Montpelier, Vt.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Stover Mfg. Co., Freeport, Ill.	
	Union Mfg. Co., New Britain, Conn.	*124

	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	Warner Mfg. Co., Freeport, Ill.	
P. SPRING HINGES, DOUBLE ACTING.	Sabin Machine Co., Montpelier, Vt.	
	Stover Mfg. Co., Freeport, Ill.	
	Union Mfg. Co., New Britain, Conn.	*124
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
Q. STRAP HINGES.	E. W. Gilmore & Co., North Easton, Mass.	
	Lindsay & McCutcheon, Pittsburgh, Pa.	
	James Mann & Sons, Buffalo, N. Y.	
	Roy & Co., West Troy, N. Y.	
	Stanley Works, New Britain, Conn.	*32
	Wheeling Hinge Co., Wheeling, W. Va.	
R. "T" HINGES.	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Lindsay & McCutcheon, Pittsburgh, Pa.	
	Roy & Co., W. Troy, N. Y.	
	Stanley Works, New Britain, Conn.	*32
S. TAIL BOARD HINGES.	Pratt & Letchworth, Buffalo, N. Y.	
T. TRUNK HINGES.	M. Gould's Son & Co., Newark, N. J.	
	Lindsay & McCutcheon, Pittsburgh, Pa.	
	Stanley Works, New Britain, Conn.	*32
U. WIRE HINGES.	R. S. Pickering, Hope & Berks Sts., Philadelphia, Pa.	
	Wire Goods Co., Worcester, Mass.	
542. HINGE PLATES.	American Ring Co., Waterbury, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
543. HITCHING POST CAPS.	E. C. Stearns & Co., Syracuse, N. Y.	
	Union Mfg. Co., New Britain, Conn.	*124
544. HOOKS.		
A. APRON HOOKS.	C. Cowles & Co., New Haven, Conn.	
	Metal Stamping Co., 406 E. 32d St., New York.	
B. AWNING HOOKS,	M. S. Brooks & Sons, Chester, Conn.	*98
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
C. BIRD CAGE HOOKS.	Andrew B. Hendryx Co., New Haven, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Landers, Frary & Clark, New Britain, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Wire Goods Co., Worcester, Mass.	
D. CART HOOKS.	Kerr Bros. & Co., Hicksville, O.	
	C. T. Williamson Wire Novelty Co., Newark, N. J.	
E. CEILING HOOKS.	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
	Whittemore Bros., 579 Broadway, New York.	
	C. F. Williamson Wire Novelty Co., Newark, N. J.	
F. CHANDELIER HOOKS.	American Pin Co., Waterbury, Conn.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Conn.	
	W. S. Edwards Mfg. Co., 86 W. Lake St., Chicago, Ill.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Landers, Frary & Clark, New Britain, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Wire Goods Co., Worcester, Mass.	
G. CLOTHES LINE HOOKS.	Henry Chase & Co., Kalamazoo, Mich.	
	P. & F. Corbin, New Britain, Conn.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
H. COAT & HAT HOOKS	Foster, Merriam & Co., Meriden, Conn.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Fred J. Meyers Mfg. Co., Covington, Ky.	
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	C. T. Williamson Wire Novelty Co., Newark, N. J.	
	Wire Goods Co., Worcester, Mass.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
I. CONDUCTOR HOOKS.	Berger Bros., 236 Arch St., Philadelphia, Pa.	
	Lamb & Ritchie, Cambridgeport, Mass.	
	Sidney Shepard & Co., Buffalo, N. Y.	
J. CORNICE HOOKS.	P. & F. Corbin, New Britain, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	C. T. Williamson Wire Novelty Co., Newark, N. J.	
K. CUP HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98

	Landers, Frary & Clark, New Britain, Conn.	
	Wire Goods Co., Worcester, Mass.	
L. CUP HOOKS, BRASS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Landers, Frary & Clark, New Britain, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Wire Goods Co., Worcester, Mass.	
M. DESK HOOKS.	Landers, Frary & Clark, New Britain, Conn.	
	Wire Goods Co., Worcester, Mass.	
N. DETACHABLE HOOKS.	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
O. DRAPERY HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Globe Curtain Pole Co., Waterbury, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.	
P. GATE & SHUTTER HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Ossawan Mills Co., Norwich, Conn.	*65
Q. HAMMOCK HOOKS.	P. & F. Corbin, New Britain, Conn.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	I. E. Palmer, Middletown, Conn.	*65
	E. C. Stearns & Co., Syracuse, N. Y.	
	Wheeling Hinge Co., Wheeling, W. Va.	
	Wire Goods Co., Worcester, Mass.	
R. HAMMOCK HOOKS, PATENT.	I. E. Palmer, Middletown, Conn.	*65
S. LADDER HOOKS.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	C. W. H. Moulton & Co., E. Cambridge, Mass.	
T. LADDER HOOKS, ADJUSTABLE.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	F. H. Beecher, Seymour. Conn.	
U. LAMBREQUIN HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
V. LANTERN HOOKS.	Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.	
W. MEAT HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.	
	Landers, Frary & Clark, New Britain, Conn.	
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.	
	Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill.	
	Wheeling Hinge Co., Wheeling, W. Va.	
	Wire Goods Co., Worcester, Mass.	
X. PAINT POT HOOKS.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
Y. PICTURE HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Globe Curtain Pole Co., Waterbury, Conn.	
	Grilley Co., New Haven, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	O. S. Judd, New Britain, Conn.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	C. F. Williamson Wire Novelty Co., Newark, N. J.	
	Wire Goods Co., Worcester, Mass.	
Z. PULLEY HOOKS.	E. C. Stearns & Co., Syracuse, N. Y.	
AA. REIN HOOKS.	Metal Stamping Co., 406 E. 32d St., New York.	
	Pratt & Letchworth, Buffalo, N. Y.	
BB. SCREW HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	Thos. Laughlin & Son, Portland, Me.	
	Ossawan Mills Co., Norwich, Conn.	*65
	E. C. Stearns & Co., Syracuse, N. Y.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Wire Goods Co., Worcester, Mass.	
CC. SOIL PIPE HOOKS.	Berger Bros., 237 Arch St., Philadelphia, Pa.	
DD. TASSEL HOOKS.	M. S. Brooks & Son, Chester, Conn.	*98
	Globe Curtain Pole Co., Waterbury, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	John Kroder, 255 Canal St., New York.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.	
	Wire Goods Co., Worcester, Mass.	
EE. WARDROBE HOOKS.	American Pin Co., Waterbury, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	Wire Goods Co., Worcester, Mass.	

FF. WIRE HOOKS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
	C. T. Williamson Wire Novelty Co., Newark, N. J.	
	Wire Goods Co., Worcester, Mass.	
545. HOOKS & EYES.	Arcade Mfg. Co., Freeport, Ill.	
	M. S. Brooks & Sons, Chester, Conn.	*98
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
546. HOOKS & STAPLES.	Wm. Chisholm & Sons, Cleveland, O.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
547. HORSESHOES.	Bryden Horseshoe Co., 224 S. 4th St., Philadelphia, Pa.	
	Burden Iron Co., Troy, N. Y.	
	Coleman & Reynolds, 44 E. 6th St., Cincinnati, O.	
	Diamond State Iron Co., Wilmington, Del.	
	Neverslip Horseshoe Co., 36 India Wharf, Boston, Mass.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Phœnix Horseshoe Co., Poughkeepsie, N. Y.	
	Rhode Island Horseshoe Co., Valley Falls, R. I.	
	Shoenberger & Co., Pittsburgh, Pa.	
	Tredegar Co., Richmond, Va.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
A. MARSH SHOES.	Geo. A. Pounder, Fort Atkinson, Wis.	
B. MULE SHOES.	Diamond State Iron Co., Wilmington, Del.	
	Livermore Foundry & Machine Co., Memphis, Tenn.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Rhode Island Horseshoe Co., Valley Falls, R. I.	
548. HORSESHOE CALKS.		
A. REMOVABLE HORSESHOE CALKS.	Neverslip Horseshoe Co., 36 India Wharf, Boston, Mass.	
B. TOE CALKS.	P. F. Burke, 360 Dorchester Av., Boston, Mass.	
	Geo. H. Hathorn, Chester, Me.	
	J. S. Palmer & Co., Cornville, Me.	
	Sweet's Mfg. Co., Syracuse, N. Y.	
	Winsted Edge Tool Works, W. Winsted, Conn.	
549. KEYS.	P. & F. Corbin, New Britain, Conn.	
	Corbin Cabinet Lock Co., New Britain, Conn.	
	Cushman Chuck Co., Hartford, Conn.	
	New England Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Reading Hardware Co , Reading, Pa.	
	J. F. Wollensak, 225 Lake St., Chicago, Ill.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
A. DOOR KEYS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Sargent & Co., New Haven, Conn.	
550. KEY BLANKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Eagle Lock Co., Terryville, Conn.	
	New England Butt Co., Providence, R. I.	*138
	Sargent, Greenleaf & Co., Rochester, N. Y.	
551. KEY PLATES.	Yale & Towne Mfg. Co., Stamford, Conn.	
552. KNOBS.		
A. CAR DOOR KNOBS.	Norwich Lock Mfg. Co., Norwich, Conn.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.	
B. DESK KNOBS.	American Ring Co., Waterbury, Conn.	
	Branford Lock Works, Branford, Conn.	*230–9
	P. & F. Corbin, New Britain, Conn.	
	Foster, Merriam & Co., Meriden, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
C. DOOR KNOBS.	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	P. & F. Corbin, New Britain, Conn.	
	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Mallory-Wheeler Co., New Haven, Conn.	
	New England Butt Co., Providence, R. I.	*138
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Jno. L. Parker & Co., Worcester, Mass.	
	Reading Hardware Co., Reading, Pa.	
	Sargent & Co., New Haven, Conn.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
D. DOOR KNOBS, PORCELAIN.	H. Brunt & Son, E. Liverpool, O.	
	R. Thomas & Sons, E. Liverpool, O.	
E. DRAWER KNOBS.	Branford Lock Works, Branford, Conn.	*230–9

	Foster, Merriam & Co., Meriden, Conn.	
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
F. PICTURE KNOBS.	Branford Lock Works, Branford, Conn.	*230-9
	Grand Rapids Brass Co., Grand Rapids, Mich.	
	Grilley Co., New Britain, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	O. S. Judd, New Britain, Conn.	
	Ossawan Mills Co., Norwich, Conn.	*65
G. SCREWLESS KNOBS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
H. SHUTTER KNOBS.	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Grand Rapids Brass Co,, Grand Rapids, Mich.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stover Mfg. Co., Freeport, Ill.	
I. SHUTTER KNOBS, BRONZE.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
J. WOODEN KNOBS.	Piqua Handle & Mfg. Co., Piqua, O.	*212
	W. H. Sweeney Mfg. Co., 240 Water St., New York.	
	Union Hardware Co., Torrington, Conn.	
553. LATCHES.		
A. CUPBOARD LATCHES.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Pennsylvania Hardware Co., Reading, Pa.	
	Van Wagoner & Williams Co., 82 Beekman St., New York.	
B. DOOR LATCHES.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Freeport Hardware Mfg. Co., Freeport, Ill.	
	National Mfg. Co., Lancaster, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stover Mfg. Co., Freeport, Ill.	
C. GATE LATCHES.	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
	New England Butt Co., Providence, R. I.	*138
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Shephard Hardware Co., Buffalo, N. Y.	
	Union Mfg. Co., New Britain, Conn.	*124
D. KNOB LATCHES.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Stoddard Lock & Mfg. Co., Saybook, Conn.	
E. NIGHT LATCHES.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Miller Lock Co., Frankford, Philadelphia, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Romer & Co., Newark, N. J.	
	Sargent Greenleaf & Co., Rochester, N. Y.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
F. REFRIGERATOR LATCHES.	Payson Mfg. Co., 1319 W. Jackson St., Chicago, Ill.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
G. SCREEN DOOR LATCHES.	Van Wagoner & Williams Co., 82 Beekman St., New York.	
H. SLIDING DOOR LATCHES.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Sargent & Co., New Haven, Conn.	
554. LETTER BOX PLATES.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Russell & Erwin Mfg. Co., New Britain, Conn.	
555. LINE CLEATS.	P. & F. Corbin, New Britain, Conn.	
556. LINKS.		
A. CHAIN LINKS.	American Bolt Co., Lowell, Mass.	
	Wm. H. Haskell Co., Pawtucket, R. I.	
	Thos. Laughlin & Son, Portland, Me.	
	Jas. Mann & Sons, Buffalo, N. Y.	
	Ewald Over, Indianapolis, Ind.	
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	Pratt & Letchworth, Buffalo, N. Y.	
B. LAP LINKS.	Pratt & Letchworth, Buffalo, N. Y.	
C. SPLIT LINKS.	Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
557. LOCKS.		
A. BARN DOOR LOCKS.	Ames Sword Co., Chicopee, Mass.	
	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	E. C. Stearns & Co., Syracuse, N. Y.	
B. BASEMENT DOOR LOCKS.	Branford Lock Works, Branford, Conn.	*230-9

	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
C. BLIND LOCKS.	Dudley Shutter Worker & Burglar Alarm Co., 7 Beekman St., N.Y.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
D. BOOK LOCKS.	Eagle Lock Co., Terryville, Conn.	
E. BURGLAR PROOF LOCKS.	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Mallory-Wheeler Co , New Haven, Conn.	
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
F. CABINET LOCKS.	Corbin Cabinet Lock Co., New Britain, Conn.	
	Eagle Lock Co., Terryville, Conn.	
	Miller Lock Co., Frankford, Philadelphia, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
G. CAR DOOR LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	W. G. Creamer & Co., 96 John St., New York.	
	Dayton Mfg Co., Dayton, O.	
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
	Post & Co., 217 W. 4th St., Cincinnati, Ohio.	
	Romer & Co., Newark, N. J.	
	Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.	
H. CARRIAGE LOCKS.	C. Cowles & Co., New Haven, Conn.	
	English & Merrick, New Haven, Conn.	
	Wm. Schollhorn & Co. New Haven, Conn.	
	Walter W. Woodruff & Sons, Mount Carmel, Conn.	
I CHEST LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Branford Lock Works, Branford, Conn.	*230–9
	Eagle Lock Co., Terryville, Conn.	
	Yale & Town Mfg. Co., Stamford, Conn.	
J. CIGAR BOX LOCKS.	Eagle Lock Co., Terryville, Conn.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
K. CUPBOARD LOCKS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Eagle Lock Co., Terryville, Conn.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
L. DEAD LOCKS.	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
M. DESK LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Eagle Lock Co., Terryville, Conn.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
N. DOOR LOCKS.	Automatic Tumbler Lock Co., 42 Library St., Philadelphia, Pa.	
	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Branford Lock Works, Branford, Conn.	*230–9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Miller Lock Co., Frankford, Philadelphia, Pa.	
	New England Butt Co., Providence, R. I.	*138
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Pennsylvania Hardware Co., Reading, Pa.	
	Perkins Lock Mfg. Co., Cleveland, O.	
	Reading Hardware Co., Reading, Pa.	
	Russell & Erwin Mfg. Co., New Britain, Conn.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Sargent & Co., New Haven, Conn.	
	E. C. Stearns & Co., Syracuse, N. Y.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
O. DRAWER LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	P. & F. Corbin, New Britain, Conn.	
	Eagle Lock Co., Terryville, Conn.	
	Miller Lock Co., Frankford, Philadelphia, Pa.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Yale & Towne, Stamford, Conn.	
P. DRAWER LOCKS. COMBINATION.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	

Q.	FRONT DOOR LOCKS.	Branford Lock Works, Branford, Conn.	*230–9
		Mallory-Wheeler Co., New Haven, Conn.	
		Norwich Lock Mfg. Co., Norwich, Conn.	
		Yale & Towne Mfg. Co., Stamford, Conn.	
R.	HASP LOCKS.	Eagle Lock Co., Terryville, Conn.	
		Yale & Towne Mfg. Co., Stamford, Conn.	
S.	HASP LOCKS, SELF-ACTING.	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
T.	KEYLESS LOCKS.	Miller Lock Co., Frankford, Philadelphia, Pa.	
U.	KNOB LOCKS.	Branford Lock Works, Branford, Conn.	*230–9
		Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
		Mallory-Wheeler Co., New Haven, Conn.	
		New England Butt Co., Providence, R. I.	*138
		Norwich Lock Mfg. Co., Norwich, Conn.	
		Yale & Towne Mfg. Co., Stamford, Conn.	
V.	LATCH LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
		Branford Lock Works, Branford, Conn.	*230–9
		Norwich Lock Mfg. Co., Norwich, Conn.	
		Romer & Co., Newark, N. J.	
W.	LEVER LOCKS.	Branford Lock Works, Branford, Conn.	*230–9
		C. Cowles & Co., New Haven, Conn.	
X.	MORTISE LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
		Branford Lock Works, Branford, Conn.	*230–9
		Eagle Lock Co., Terryville, Conn.	
		Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
		Mallory-Wheeler Co., New Haven, Conn.	
		New England Butt Co., Providence, R. I.	*138
		Norwich Lock Mfg. Co., Norwich, Conn.	
		Sargent, Greenleaf & Co., Rochester, N. Y.	
		Yale & Towne Mfg. Co., Stamford, Conn.	
Y.	PADLOCKS.	Ames Sword Co., Chicopee, Mass.	
		Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
		Branford Lock Works, Branford, Conn.	*230–9
		Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
		P. & F. Corbin, New Britain, Conn.	
		Dayton Mfg. Co., Dayton, O.	
		Eagle Lock Co., Terryville, Conn.	
		Mallory-Wheeler Co., New Haven, Conn.	
		Miller Lock Co., Frankford, Philadelphia, Pa.	
		Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
		Norwich Lock Mfg. Co., Norwich, Conn.	
		Romer & Co., Newark, N. J.	
		Russell & Erwin Mfg. Co., New Britain, Conn.	
		Smith & Egge Mfg. Co., Bridgeport, Conn.	
		Tower & Lyon, 95 Chambers St., New York.	
		Wm. Wilcox Mfg. Co., Middletown, Conn.	
Z.	PADLOCKS, BICYCLE.	Ames Sword Co., Chicopee, Mass.	
		Eagle Lock Co., Terryville, Conn.	
		Marlin Fire Arms Co., New Haven, Conn.	
AA.	PADLOCKS, BRASS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
		Eagle Lock Co., Terryville, Conn.	
		Mallory-Wheeler Co., New Haven, Conn.	
		Norwich Lock Mfg. Co., Norwich, Conn.	
		Romer & Co., Newark, N. J.	
		Tower & Lyon, 95 Chambers St., New York.	
		Van Wagoner & Williams Co., 82 Beekman St., New York	
BB.	PADLOCKS, MAIL.	Eagle Lock Co., Terryville, Conn.	
		Mallory-Wheeler Co., New Haven, Conn.	
		Smith & Egge Mfg. Co., Bridgeport, Conn.	
CC.	PADLOCKS, REGISTERING.	Smith & Egge Mfg. Co., Bridgeport, Conn.	
DD.	PADLOCKS, SPRING.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
		Eagle Lock Co., Terryville, Conn.	
		Mallory-Wheeler Co., New Haven, Conn.	
		Sargent, Greenleaf & Co., Rochester, N. Y.	
		Yale & Towne Mfg. Co., Stamford, Conn.	
EE.	PIANO & ORGAN LOCKS.	P. & F. Corbin, New Britain, Conn.	
		Eagle Lock Co., Terryville, Conn.	
		Smith & Egge Mfg. Co., Bridgeport, Conn.	
FF.	POST OFFICE LOCKS.	Eagle Lock Co., Terryville, Conn.	
		Yale & Towne Mfg. Co., Stamford, Conn.	
GG.	REFRIGERATOR LOCKS.	Branford Lock Works, Branford, Conn.	*230–9
		Norwich Lock Mfg. Co., Norwich, Conn.	
HH.	RIM LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
		Branford Lock Works, Branford, Conn.	*239–9
		P. & F. Corbin, New Britain, Conn.	
		Mallory-Wheeler Co., New Haven, Conn.	
		Norwich Lock Mfg. Co., Norwich, Conn.	

	Romer & Co., Newark, N. J.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
II. SASH LOCKS.	A. W. Bishop, Berea, O.	
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Caldwell Mfg. Co., Rochester, N. Y.	
	Champion Safety Lock & Novelty Co., Cleveland, O.	
	P. & F. Corbin, New Britain, Conn.	
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
	Hobart B. Ives & Co., New Haven, Conn.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	C. J. Root, Bristol, Conn.	
	Stover Mfg. Co., Freeport, Ill.	
JJ. SASH LOCKS, BURGLAR PROOF.	Branford Lock Works, Branford, Conn.	*230-9
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
	Hobart B. Ives & Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
KK. SEWING MACHINE LOCKS.	Eagle Lock Co., Terryville, Conn.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
LL. SLIDING DOOR LOCKS.	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	P. & F. Corbin, New Britain, Conn.	
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Brooklyn, N. Y.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Sargent & Co., New Haven, Conn.	
	E. C. Stearns & Co., Syracuse, N. Y.	
MM. SPRING LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Mallory-Wheeler Co., New Haven, Conn.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
	Yale & Towne, Stamford, Conn.	
NN. STORE DOOR LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Branford Lock Works, Branford, Conn.	*230-9
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.	
	Dayton Mfg. Co., Dayton, O.	
	Hopkins & Dickinson Mfg. Co., 260 Gold St., Broklyn, N. Y	
	Norwich Lock Mfg. Co., Norwich, Conn.	
OO. TRUNK LOCKS.	P. & F. Corbin, New Britain, Conn.	
	Eagle Lock Co., Terryville, Conn.	
	M. Gould's Son & Co., Newark, N. J.	
	R. C. Jenkins & Co., Newark, N. J.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
PP. TUMBLER LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Branford Lock Works, Branford, Conn.	*230-9
	Mallory-Wheeler Co., New Haven, Conn.	
	Stoddard Lock & Mfg. Co., Saybrook, Conn.	
QQ. WARDROBE LOCKS.	Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.	
	Eagle Lock Co., Terryville, Conn.	
	Miller Lock Co., Frankford, Philadelphia, Pa.	
	Sargent, Greenleaf & Co., Rochester, N. Y.	
558. LOGGERS' SPURS.	H. A. Williams Mfg. Co., Taunton, Mass.	*52
559. NAILS.		
A. BAG BOTTOM NAILS.	American Solid Leather Button Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
B. BAND NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Cumberland Nail & Iron Co., 43 N. Water St., Philadelphia, Pa.	
C. BARBED NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	H. P. Nail Co., Cleveland, O.	
D. BASKET NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Butler Hardware Co., 18 Warren St., New York.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Evansville Mfg. Co., Evansville, Wis.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
E. BOAT NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Butler Hardware Co., 18 Warren St., New York	
	Detroit Boat Works, Detroit, Mich.	
	Evansville Mfg. Co., Evansville, Wis.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Lake Erie Iron Co., Cleveland, O.	
	Pottstown Iron Co., Pottstown, Pa.	

	York Tack & Nail Works, York, Pa.	
F. BOX NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Butler Hardware Co., 18 Warren St., New York.	
	Cumberland Nail & Iron Co., 43 N. Water St., Philadelphia, Pa.	
	Duncannon Iron Co., 122 Race St., Philadelphia, Pa.	
	Evansville Mfg. Co., Evansville, Wis.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Pottstown Iron Co., Pottstown, Pa.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
G. BRASS NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Thos. V. Johnson, 227 Canal St., New York.	
H. BRASS NAILS, CAPPED.	Ossawan Mills Co., Norwich, Conn.	*65
I. CAR NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Butler Hardware Co., 18 Warren St., New York.	
	Duncannon Iron Co., 122 Race St., Philadelphia, Pa.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	York Tack & Nail Works, York, Pa.	
J. CHAIR NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Butler Hardware Co., 18 Warren St., New York.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
K. CIGAR BOX NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Cobb & Drew, Plymouth, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Great Western Pin Co., Toledo, O.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
L. CLINCH NAILS.	Butler Hardware Co., 18 Warren St., New York.	
	Cumberland Nail & Iron Co., 43 N. Water St., Philadelphia, Pa.	
	Duncannon Iron Co., 122 Race St., Philadelphia, Pa.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Pottstown Iron Co., Pottstown, Pa.	
	York Tack & Nail Works, York, Pa.	
M. CLOTH COVERED NAILS.	Boston Button Co., 326 A St., near Congress, Boston, Mass.	
	C. Cowles & Co., New Haven, Conn.	
N. CLOUT NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Cobb & Drew, Plymouth, Mass.	
	Duncannon Iron Co., 122 Race St., Philadelphia, Pa.	
	Evansville Mfg. Co., Evansville, Wis.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Plymouth Mills, Plymouth, Mass.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
O. COPPER NAILS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	New Bedford Copper Co., New Bedford, Mass.	
	Pottstown Iron Co., Pottstown, Pa.	
	Taunton Copper Mfg. Co., Taunton, Mass.	*51
	Wallace & Son, Ansonia, Conn.	
P. CUT NAILS.	American Iron & Steel Works, Pittsburgh, Pa.	
	Charles L. Bailey & Co., Harrisburg, Pa.	
	Bellaire Nail Works, Bellaire, O.	
	Belmont Nail Co., Wheeling, W. Va.	
	Benwood Iron Works, Wheeling, W. Va.	
	E. & I. Brooke Iron Co., Birdsboro, Pa.	
	Butler Hardware Co., 18 Warren St., New York.	
	Cumberland Nail & Iron Co , 43 N. Water St., Philadelphia, Pa.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Leeds, Robinson & Co., 75 North St., Boston, Mass.	
	Mahoning Valley Iron Co., Youngstown, O.	
	McCormick Co., Harrisburg, Pa.	
	Morris, Wheeler & Co., 1608 Market St., Philadelphia, Pa.	
	New Bedford Copper Co., New Bedford, Mass.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Oxford Iron & Nail Co., Oxford, N. J.	
	Pacific Iron & Nail Co., 9 Beale St., San Francisco, Cal.	
	Pottstown Iron Co., Pottstown, Pa.	
	Riverside Iron Works, Wheeling, W. Va.	

	York Tack & Nail Works, York, Pa.	
Q. FINISHING NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Butler Hardware Co., 18 Warren St., New York.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Cumberland Nail & Iron Co., 43 Water St., Philadelphia, Pa.	
	Evansville Mfg. Co., Evansville, Wis.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Pottstown Iron Co., Pottstown, Pa.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
R. FINISHING NAILS, WIRE.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	H. P. Nail Co., Cleveland, O.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Wire Goods Co., Worcester, Mass.	
S. GALVANIZED NAILS.	H. P. Nail Co., Cleveland, O.	
	Pottstown Iron Co., Pottstown, Pa.	
	Wire Goods Co., Worcester, Mass.	
T. GILT NAILS.	Thos. V. Johnson, 227 Canal St., New York.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
U. HEEL NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Northwestern H. N. Mfg. Co., 37th cor. Rockwell St., Chicago, Ill.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
V. HOB NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Pittsburgh Hob Nail Mfg. Co., Pittsburgh, Pa.	
	Stanley Works, New Britain, Conn.	*32
W. HORSE NAILS.	Ausable Horse Nail Co., Keeseville, N. Y.	
	Capewell Horse Nail Co., 133 Shelton St., Hartford, Conn.	
	Essex Horse Nail Co., Essex, N. Y.	
	Fowler Nail Co., Seymour, Conn.	
	Globe Nail Co., Roxbury, Mass.	
	Judson Mfg. Co., San Francisco, Cal.	
	Livingston Nail Co., 104 Reade St., New York.	
	W. M. Mooney & Co., Ausable Chasm, N. Y.	
	H. P. Nail Co., Cleveland, O.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Putnam Nail Co., Neponset, Mass.	
	J. & J. Rogers Iron Co., Au Sable Forks, N. Y	
X. HUNGARIAN NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing. Ill.	
	Evansville Mfg. Co., Evansville, Wis.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
Y. IRON NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chas. L. Bailey & Co., Harrisburg, Pa.	
	E. & G. Brooke Iron Co., Birdsboro, Pa.	
	Burden Iron Co., Troy, N. Y.	
	Chess, Cook & Co., Pittsburgh, Pa.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	McCormick Co., Harrisburg, Pa.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Oxford Iron & Nail Co., 52 Wall St., New York.	
	Pottstown Iron Co., Pottstown, Pa.	
	Stanley Works, New Britain, Conn.	*32
	Wheeling Hinge Co., Wheeling, W. Va.	
Z. LATH NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
AA. LEATHER CARRIAGE NAILS.	American Solid Leather Button Co., Providence, R. I.	
	Boston Button Co., 326 A St. near Congress, Boston, Mass.	
	Thos. V. Johnson, 227 Canal St., New York.	
BB. LEATHER DECORATIVE NAILS.	American Solid Leather Button Co., Providence, R. I.	
	Thos. V. Johnson, 227 Canal St., New York.	
CC. LEATHER FURNITURE NAILS.	American Solid Leather Button Co., Providence, R. I.	
	Boston Button Co., 326 A St. near Congress, Boston, Mass.	
	Thos. V. Johnson, 227 Canal St., New York.	
DD. LEATHER HEADED NAILS.	Adhesive Gimp Co., Ltd., 120 Walker St., New York.	
	American Solid Leather Button Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Thos. V. Johnson, 227 Canal St., New York.	
EE. LINING NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	C. Cowles & Co., New Haven, Conn.	
	Dash Carriage Goods Co., 134 Hunt St., Cincinnati, O.	

	Evansville Mfg. Co., Evansville, Wis.	
	La Belle Iron Works, Wheeling, W. Va.	*34
FF. PHOSPHOR-BRONZE NAILS.	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
GG. PICTURE NAILS.	P. & F. Corbin, New Britain, Conn.	
	Grilley Co., New Haven, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	York Tack & Nail Works, York, Pa.	
HH. ROOFING NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Pottstown Iron Co., Pottstown, Pa.	
II. SADDLE NAILS.	Atlantic Tack Corporation, Sears Building, Boston, Mass.	
JJ. SCREW HEAD NAILS.	American Wire Nail Co., Anderson, Ind.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
KK. SHOE NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.	
	W. W. Cross & Co., Brockton, Mass.	
	Hollis Tack & Nail Co., Ltd., Pittsburgh, Pa.	
	Houghton & Godfrey, Lynn, Mass.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
	Taunton Wire Nail Co., Taunton, Mass.	
LL. SLATING NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Old Dominion Iron & Nail Works Co., Richmond, Va,	*35
	Pottstown Iron Co., Pottstown, Pa.	
	Wire Goods Co., Worcester, Mass.	
MM. SMALL NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Stanley Works, New Britain, Conn.	*32
	Wire Goods Co., Worcester, Mass.	
	York Tack & Nail Works, York, Pa.	
NN. SPRIGS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Duncannon Iron Co., 122 Race St., Philadelphia, Pa.	
OO. STAIR NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	W. T. Mersereau & Co., Newark, N. J.	
	York Tack & Nail Works, York, Pa.	
PP. STEEL NAILS.	American Iron & Steel Works, Pittsburgh, Pa.	
	Charles L. Bailey & Co., Harrisburg, Pa.	
	Bellaire Nail Works, Bellaire, O.	
	Belmont Nail Co., Wheeling, W. Va.	
	Benwood Iron Works, Wheeling, W. Va.	
	Clement M. Biddle, Pittsburgh, Pa.	
	Calumet Iron & Steel Co., 517 Rookery Building, Chicago, Ill.	
	Ft. Payne Rolling Mill, Ft. Payne, Ala.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	Lakeside Nail Co., Hammond, Ind.	
	Laughlin Nail Co., Wheeling, W. Va.	
	Norton Iron Works, Ashland, Ky.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Pennsylvania Steel Co., Steelton, Pa.	
	Pottstown Iron Co., Pottstown, Pa.	
	Riverside Iron Works, Wheeling, W. Va.	
	Troy Steel & Iron Co., Troy, N. Y.	
	York Tack & Nail Works, York, Pa.	
QQ. TINNED NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	H. P. Nail Co., Cleveland, O.	
RR. TRUNK NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Cobb & Drew, Plymouth, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Plymouth Mills, Plymouth, Mass.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
	Taunton Wire Nail Co., Taunton, Mass.	
	York Tack & Nail Works, York, Pa.	
SS. TUFTING NAILS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Pottstown Iron Co., Pottstown, Pa.	
TT. UPHOLSTERERS' NAILS.	American Solid Leather Button Co., Providence, R. I.	
	Boston Button Co., 326 A St., nr. Congress St., Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	

Thos. V. Johnson, 227 Canal St., New York.
H. L. Judd & Co., 87 Chambers St., New York.
Torrington Mfg. Co., Torrington, Conn.

UU. WIRE NAILS.
American Screw Co., Providence, R. I.
American Wire Nail Co., Anderson, Ind.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Clement M. Biddle & Co., Pittsburgh, Pa.
Braddock Wire Co., Pittsburgh, Pa.
Brooklyn Wire Nail Co., 124 Freeman St., Brooklyn, N. Y.
Cleveland Rolling Mill Co., Cleveland, O.
Excelsior Nail Co., Seymour, Conn.
Gautier Steel Depart. Cambria Iron Co., Johnstown, Pa.
Griswold Bros., Troy, N. Y.
Kilmer Mfg. Co., Newburgh, N. Y.
McCosh Iron & Steel Co., Burlington, Iowa.
H. P. Nail Co., Cleveland, O.
New Haven Wire Mfg. Co., New Haven, Conn.
Oliver & Roberts Wire Co.,Ltd., Pittsburgh, Pa.
Philips, Townsend & Co., N. Pa. Junction, Philadelphia, Pa.
Pittsburgh Wire Nail Co., Pittsburgh, Pa.
Plymouth Mills, Plymouth, Mass.
John A. Roebling's Sons Co., Trenton, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
St. Louis Wire Mill Co., 21st & Papin Sts., St. Louis, Mo.
Salem Wire Nail Co., Salem, O.
Taunton Wire Nail Co., Taunton, Mass.
W. P. Townsend & Co., New Brighton, Pa.
Wire Goods Co., Worcester, Mass.
York Tack & Nail Works, York, Pa.

VV. WIRE NAILS, PATENT BARBS
New Haven Wire Mfg. Co., New Haven, Conn.
W. P. Townsend & Co., New Brighton, Pa.

WW. YELLOW METAL NAILS.
Taunton Copper Mfg. Co., Taunton, Mass. *51

560. NUTS.
Allison Mfg. Co., S. 32d & Walnut Sts., Philadelphia, Pa.
American Bolt Co., Lowell, Mass.
Anderson Bolt Works, Anderson, Ind.
Clement M. Biddle & Co., Pittsburgh, Pa.
Chicago Forge & Bolt Co., 40th St. c. Stewart Av., Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Diamond State Iron Co., Wilmington, Del.
Fowler & Son, Anderson, Ind.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Wm. H. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
J. W. Labarre, Springfield, Mass.
Lamson & Sessions Co., Cleveland, O.
Livermore Foundry & Machine Co., Memphis, Tenn.
Marland, Neely & Co., Pittsburgh, Pa.
Michigan Bolt & Nut Works, Detroit, Mich.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
Pennsylvania Bolt & Nut Co.. Lebanon, Pa.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Plumb, Burdict & Barnard, Buffalo, N. Y.
Port Chester Bolt & Nut Co., Port Chester, N. H.
Reynolds & Co., New Haven, Conn.
Rhode Island Tool Co., Providence, R. I.
Schuylkill Haven Iron Co., Schuylkill Haven, Pa.
J. H. Sternbergh & Son, Reading, Pa.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Upson Nut Co., Unionville, Conn.
Vulcan Iron Co., Richmond, Va.
Western Automatic Machine Screw Co., Elyria, O.
Wheeling Hinge Co., Wheeling, W. Va.

A. AXLE NUTS.
Pratt & Letchworth, Buffalo, N. Y.
G. F. Warner Mfg. Co., New Haven, Conn.

B. BRASS NUTS.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.

C. RAILROAD NUTS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Cambria Iron Co., Johnstown, Pa.
Diamond State Iron Co., Wilmington, Del.
Pawtucket Mfg. Co., Pawtucket, R. I.
J. H. Sternbergh & Son, Reading, Pa.
Troy Steel & Iron Co., Troy, N. Y.

D. SILVER PLATED NUTS.
C. Cowles & Co , New Haven, Conn.

E. SLEEVE NUTS.
Keystone Bridge Co., Pittsburgh, Pa.
King Iron Bridge & Mfg. Co., Cleveland, O.
J. H. Sternbergh & Son, Reading, Pa.

F. TAPPED NUTS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Screw Co., Providence, R. I.
Clark Bros & Co., Milldale, Conn.
Wm. H. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Port Chester Bolt & Nut Co., Port Chester, N. Y.
J. H. Sternbergh & Son, Reading, Pa.

G. THUMB NUTS.
Billings & Spencer Co., Hartford, Conn. *103
Wm. H. Haskell Co., Pawtucket, R. I.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pawtucket Mfg. Co., Pawtucket, R. I.
Pratt & Letchworth, Buffalo, N. Y.
Western Automatic Machine Screw Co., Elyria, O.

H. TOP PROP NUTS.
C. Cowles & Co., New Haven, Conn.
Crandal, Stone & Co., Binghamton, N. Y.
H. D. Smith & Co., Plantsville, Conn.

561. NUT LOCKS.
Bourne & Knowles Mfg. Co., Cleveland, O.
Eclipse Nut Locking Washer Co., Troy, N. Y.
Iron City Nut Lock Co., Pittsburgh, Pa.
Paul Metcalf & Co., Pittsburgh, Pa.
National Lock Washer Co., Newark, N. J.
Peerless Mfg. Co., Louisville, Ky.
Richmond Nut Lock Co., Richmond, Ind.
J. H. Sternbergh & Son, Reading, Pa.
Vulcanized Fibre Co., Wilmington, Del.

562. OX BALLS.
P. & F. Corbin, New Britain, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.

563. OX SHOES.
Atwater Mfg. Co., Plantsville, Conn.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Miller's Falls Co., Miller's Falls, Mass.
Scranton Forging Co., Scranton, Pa.
Walter W. Woodruff & Sons, Mount Carmel, Conn.

564. PAPER BAG HOLDERS.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
Nicol & Co., 23 River St., Chicago, Ill.

565. PICTURE FRAME FASTENERS.
Ossawan Mills Co., Norwich, Conn. *65

566. PINS, HARDWARE.

A. BRASS ESCUTCHEON PINS.
American Screw Co., Providence, R. I.
Foster, Merriam & Co., Meriden, Conn.
Oakville Co., Waterbury, Conn.
Wallace & Sons, Ansonia, Conn.
Waterbury Brass Co., Waterbury, Conn.

B. CARPET PINS & SOCKETS.
H. L. Judd & Co., 87 Chambers St., New York.
Western Automatic Machine Screw Co., Elyria, O.

C. CURTAIN PINS.
Globe Curtain Pole Co., Waterbury, Conn.
H. L. Judd & Co., 87 Chambers St., New York.

D. ESCUTCHEON PINS.
American Screw Co., Providence, R. I.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Dunbar, Hobart & Co., Whitman, Mass.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
H. L. Judd & Co., 87 Chambers St., New York.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Taunton Wire Nail Co., Taunton, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wallace & Sons, 29 Chambers St., New York.
William Wiler, 223 S. 5th St., Philadelphia, Pa.
Wire Goods Co., Worcester, Mass.

E. HINGE PINS.
Matthews & Willard Co., Waterbury, Conn.
N. Y. Nickel Plating & Mfg. Co., 227 W. 29th St., New York.
John L. Parker & Co., Worcester, Mass.

F. OX-YOKE BOW PINS.
Humason & Beckley Mfg. Co., New Britain, Conn.

G. STEEL TAPER PINS.
Western Automatic Machine Screw Co., Elyria, O.

567. PULLEYS, HARDWARE.

A. AWNING PULLEYS.
Thos. Laughlin & Son, Portland, Me.
E. C. Stearns & Co., Syracuse, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn.

B. CEILING PULLEYS.
I. E. Palmer, Middletown, Conn. *65

C. CLOTHES LINE PULLEYS.
A. S. Henn & Co., New Haven, Conn.

D. CURTAIN PULLEYS.
H. L. Judd & Co., 87 Chambers St., New York.
I. E. Palmer, Middletown, Conn. *65
E. C. Stearns & Co., Syracuse, N. Y.

E. SASH PULLEYS.
P. & F. Corbin, 26 Murray St., New York.
Empire Portable Forge Co., Cohoes, N. Y.
Freeport Hardware Mfg. Co., Freeport, Ill.

	Moore Mfg. & Foundry Co., Milwaukee, Wis.	
	Palmer Hardware Mfg. Co., Troy, N. Y.	
	Pennsylvania Hardware Co., Reading, Pa.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
	Stover Mfg. Co., Freeport, Ill.	
F. SASH PULLEYS, STEEL AXLE.	Branford Lock Works, Branford, Conn.	*230-9
G. SCREW PULLEYS.	H. L. Judd & Co., 87 Chambers St., New York.	
	I. E. Palmer, Middletown, Conn.	*65
	E. C. Stearns & Co., Syracuse, N. Y.	
	Stover Mfg. Co., Freeport, Ill.	
H. SELF-ADJUSTING PULLEYS.	I. E. Palmer, Middletown, Conn.	*65
I. SIDE PULLEYS.	Palmer Hardware Mfg. Co., Troy, N. Y.	
	E. C. Stearns & Co., Syracuse, N. Y.	
J. SMALL IRON PULLEYS.	American Tool & Machine Co., 84 Kingston St., Boston, Mass.	
	Empire Portable Forge Co., Lansingburgh, N. Y.	
	E. C. Stearns & Co., Syracuse, N. Y.	
K. SWIVEL PULLEYS.	E. C. Stearns & Co., Syracuse, N. Y.	
L. WEDGE RACK PULLEYS.	H. L. Judd & Co., 87 Chambers St., New York.	

568. RINGS, HARDWARE.

A. APRON RINGS.	American Buckle & Cartridge Co., W. Haven, Conn.	
	C. Cowles & Co., New Haven, Conn.	
	Metal Stamping Co., 406 E. 32d St., New York.	
B. BOX RINGS.	American Ring Co., Waterbury, Conn.	
	Arlington Mfg. Co., 392 Broadway, New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
C. BRASS CHECK RINGS.	American Railway Supply Co., 24 Park Place, New York.	
D. BRASS RINGS.	American Buckle & Cartridge Co., W. Haven, Conn.	
	American Ring Co., Waterbury, Conn.	
	Andrew B. Hendryx Co., New Haven, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
E. BULL RINGS.	Ellrich Hardware Mfg. Co., Plantsville, Conn.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Seymour Smith & Son, Oakville, Conn.	
F. CASTER RINGS.	Foster, Merriam & Co., Meriden, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
G. CLINCH RINGS.	Wheeling Hinge Co., Wheeling, W. Va.	
H. CURTAIN RINGS, BRASS.	American Ring Co., Waterbury, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
I. HOG RINGS.	J. H. Brown & Co., 20 W. Randolph St., Chicago, Ill.	
	St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.	
	Warner Mfg. Co., Freeport, Ill.	
J. LOCKER RINGS.	P. & F. Corbin, New Britain, Conn.	
K. POLE RINGS, BRASS.	H. L. Judd & Co., 87 Chambers St., New York.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.	
L. SCREW RINGS, BRASS.	American Ring Co., Waterbury, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
M. WROUGHT RINGS.	American Buckle & Cartridge Co., W. Haven, Conn.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	

569. RIVETS.

A. BELT RIVETS.	American Screw Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Standard Rivet Co., 105 Summer St., Boston, Mass.	*244
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass.	*52
B. BIFURCATED RIVETS.	Judson L. Thompson Mfg. Co., Waltham, Mass.	
C. BRASS RIVETS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Blake & Johnson, Waterbury, Conn.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Clark & Cowles, Plainville, Conn.	
	Cobb & Drew, Plymouth, Mass.	
	Detroit Copper & Brass Rolling Mills Co., Detroit, Mich.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	

	Wallace & Son, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
D. BRONZE RIVETS.	Plume & Atwood Mfg. Co., Waterbury, Conn.	
E. CARRIAGE RIVETS.	American Screw Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Clark & Cowles, Plainville, Conn.	
	Franklin Moore Co., Winsted, Conn.	
F. COOPERS' RIVETS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Clark & Cowles, Plainville, Conn.	
G. COPPER RIVETS.	American Tack Co., Fair Haven, Conn.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Clark & Cowles, Plainville, Conn.	
	Cobb & Drew, Plymouth, Mass.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	C. G. Hussey & Co., Pittsburgh, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Turner & Seymour Mfg. Co , Torrington, Conn.	
	Wallace & Son, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
H. IRON RIVETS.	Allentown Rolling Mills, Allentown, Pa.	
	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Screw Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Bourne & Knowles Mfg. Co., Cleveland, O.	
	Burden Iron Co., Troy, N. Y.	
	Carroll Porter Boiler & Tank Co., Pittsburgh, Pa.	*148
	Clark & Cowles, Plainville, Conn.	
	Clark Bros. & Co., Milldale, Conn.	
	Cobb & Drew, Plymouth, Mass.	
	Columbus Bolt Works, Columbus, O.	
	C. Cowles & Co., New Haven, Conn.	
	Diamond State Iron Co., Wilmington, Del.	
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	Iron Clad Mfg. Co., 22 Cliff St., New York.	
	Livermore Foundry & Machine Co., Memphis, Tenn.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Old Colony Rivet Co., Kingston, Mass.	
	Passaic Rolling Mill Co., Paterson, N. J.	
	Pennsylvania Bolt & Nut Co., Lebanon, Pa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Pittsburgh Forge & Iron Co., Pittsburgh, Pa.	
	Pittsburgh Mfg. Co., Pittsburgh, Pa.	
	Plymouth Mills, Plymouth, Mass.	
	Port Chester Bolt & Nut Co., Port Chester, N. Y.	
	Reed & Prince, Worcester, Mass.	
	Rome Iron Works, Rome, N. Y.	
	South Tredegar Iron Co., Chattanooga, Tenn.	
	J. H. Sternbergh & Son. Reading, Pa.	
	W. P. Townsend & Co., New Brighton, Pa.	
	Trenton Iron Co., Trenton, N. J.	
	Troy Steel & Iron Co., Troy, N. Y.	
	Tubular Rivet Co., 55 Lincoln St., Boston, Mass.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
	Upson Nut Co., Unionville, Conn.	
	Worcester Machine Screw Co., Worcester, Mass.	
I. STEEL RIVETS.	Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa.	*148
J. RUBBER SHOE RIVETS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Patent Button Co., Waterbury, Conn.	
	Standard Rivet Co., 105 Summer St., Boston, Mass.	*244
K. STOVE RIVETS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
L. TINNED RIVETS.	American Screw Co., Providence, R. I.	
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Clark & Cowles, Plainville, Conn.	
	Standard Rivet Co., 105 Summer St., Boston, Mass.	*244
M. TINNERS' RIVETS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Clark & Cowles, Plainville, Conn.	
N. TRUNK RIVETS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Clark & Crane, Plainville, Conn.	
	M. Gould's Son & Co., N. J.	
	Standard Rivet Co., 105 Summer St., Boston, Mass.	*244
O. TUBULAR RIVETS.	Tubular Rivet Co., 55 Lincoln St., Boston, Mass.	

P. WAGON RIVETS.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Clark & Cowles, Plainville, Conn.

Q. WIRE RIVETS.
Brooklyn Wire Nail Co., 124 Freeman St., Brooklyn, N. Y.
Standard Rivet Co., 105 Summer St., Boston, Mass. *244

570. RODS, PICTURE AND WINDOW.

A. NICKEL RODS.
H. L. Judd & Co., 87 Chambers St., New York.
Norwich Nickel & Brass Works, Norwich, Conn. *6
William Wiler, 223 S. 5th St., Philadelphia, Pa.

B. PICTURE RODS, BRASS.
H. L. Judd & Co., 87 Chambers St., New York.
W. T. Mersereau & Co., Newark, N. J.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

C. PICTURE ROD TRIMMINGS.
Globe Curtain Pole Co., Waterbury, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

D. WINDOW RODS.
Norwich Nickel & Brass Works, Norwich, Conn. *6
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

E. WINDOW RODS, PLATED.
Norwich Nickel & Brass Works, Norwich, Conn. *6
San Francisco Plating Works, 653 Mission St., San Francisco, Cal.

F. WINDOW ROD SOCKETS.
H. L. Judd & Co., 87 Chambers St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

571. ROLLERS.
P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.

572. SAD IRONS.
Bless & Drake, Newark, N. J.
Empire Laundry Machinery Co., 185 High St., Boston, Mass.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.
M. Mahoney, Troy, N. Y.
Fred. J. Meyers Mfg. Co., Covington, Ky.
New England Butt Co., Providence, R. I. *138
Reading Hardware Co., Reading, Pa.
N. R. Streeter & Co., Groton, N. Y.
Saml. C. Tatum Co., John & Water Sts., Cincinnati, O.
Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168

A. COLD HANDLE SAD IRONS
Bless & Drake, Newark, N. J.
Chalfant Mfg. Co., Atglen, Pa.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila, Pa.
N. R. Streeter & Co., Groton, N. Y.

B. GAS HEATING SAD IRONS.
Chalfant Mfg. Co., Atglen, Pa.

C. LAUNDRY SAD IRONS.
Bless & Drake, Newark, N. J.
New England Butt Co., Providence, R. I. *138
N. R. Streeter & Co., Groton, N. Y.

D. POLISHING SAD IRONS.
Bless & Drake, Newark, N. J.
Chalfant Mfg. Co., Atglen, Pa.
W. H. Howell Co., Geneva, Ill.
M. Mahoney, Troy, N. Y.
New England Butt Co., Providence, R. I. *138
N. R. Streeter & Co., Groton, N. Y.

E. SELF-HEATING SAD IRONS.
Bless & Drake, Newark, N. J.

F. TAILORS' IRONS.
Bless & Drake, Newark, N. J.
Chalfant Mfg. Co., Atglen, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
New England Butt Co., Providence, R. I. *138
N. R. Streeter, Groton, N. Y.

573. SAD IRON STANDS.
Bless & Drake, Newark, N. J.
Chalfant Mfg. Co., Atglen, Pa.
Empire Laundry Machinery Co., 185 High St., Boston, Mass.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
H. L. Judd & Co., 87 Chambers St., New York.
Landers, Frary & Clark, New Britain, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
New England Butt Co., Providence, R. I. *138
Nicol & Co., 23 River St., Chicago, Ill.
Shepard Hardware Co., Buffalo, N. Y.
Stover Mfg. Co., Freeport, Ill.
Woods, Sherwood & Co., Lowell, Mass.

574. SASH FIXTURES.

A. SASH CORD IRONS.
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.
Empire Portable Forge Co., Lansingburgh, N. Y.
Stanley Rule & Level Co., 29 Chambers St., New York.
Union Mfg. Co., New Britain, Conn. *124

B. SASH LIFTS.
Branford Lock Works, Branford, Conn. *230–9
Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.

P. & F. Corbin, New Britain, Conn.
O. S. Judd, New Britain, Conn.
Mallory-Wheeler Co., New Haven, Conn.
Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.
Stover Mfg. Co., Freeport, Ill.
Van Wagoner & Williams Co., 82 Beekman St., New York.

C. SASH LIFTS & LOCKS COMBINED. P. & F. Corbin, New Britain, Conn.

D. SASH LIFTS, FLUSH. P. & F. Corbin, New Britain, Conn.
Norwich Lock Mfg. Co., Norwich, Conn.
Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.

E. SASH LIFTS, HOOK. P. & F. Corbin, New Britain, Conn.
Norwich Lock Mfg. Co., Norwich, Conn.
Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.

F. SASH PULL DOWNS. Raymond Lead Co., 51 W. Lake St., Chicago, Ill.

G. SASH SOCKETS. Branford Lock Works, Branford, Conn. *230–9
P. & F. Corbin, New Britain, Conn.

H. SASH WEIGHTS. Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Bristol Foundry & Machine Works, Bristol, Tenn.
Butler Hardware Co., 18 Warren St., New York.
Dickson Mfg. Co., Scranton, Pa.
Emporia Foundry & Machine Works, Emporia, Kan.
Fort Worth Iron Works, Fort Worth, Tex.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
Geo. R. Lombard & Co., Augusta, Ga.
Ewald Over, Indianapolis, Ind.
St. Louis Sash Weight Co., 157 Miller St., St. Louis, Mo.
United States Foundry Co., 56 Pine St., New York.
Wheeler Foundry Co., Worcester, Mass.

I. SASH WEIGHTS, LEAD. Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Colwell Lead Co., 63 Centre St., New York.
Selby Smelting & L. Co., 416 Montgomery St. San Francisco, Cal.
United States Foundry Co., 56 Pine St., New York.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

575. SCREWS.

A. BRASS SCREWS. American Screw Co., Providence, R. I.
Blake & Johnson, Waterbury, Conn.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Gilliam Mfg. Co., Canton, O. *16
Reading Hardware Co., Reading, Pa.
Steele & Johnson, S. Main St., Waterbury, Conn.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.

B. CAP SCREWS. American Bolt Co., Lowell, Mass.
American Screw Co., Providence, R. I.
Detroit Machine Screw Works, Detroit, Mich.
Grilley Co., New Haven, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Wm. H. Haskell & Co., Pawtucket, R. I.
McCloud, Crane & Minter, Worcester, Mass.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Reynolds & Co., New Haven, Conn.
J. H. Sternbergh & Son, Reading, Pa.
St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.
Upson Nut Co., Unionville, Conn.
Western Automatic Machine Screw Co., Elyria, O.
Worcester Machine Screw Co., Worcester, Mass.

C. CLOCK & WATCH SCREWS. Hartford Machine Screw Co., Hartford, Conn.
Western Automatic Machine Screw Co., Elyria, O.

D. COLLAR SCREWS. St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, O.

E. DOWEL SCREWS. American Screw Co., Providence, R. I.
M. S. Brooks & Sons, Chester, Conn. *98
P. & F. Corbin, New Britain, Conn.
Humason & Beckley Mfg. Co., New Britain, Conn.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Van Wagoner & Williams Co., 82 Beekman St., New York.
Wire Goods Co., Worcester, Mass.

F. GERMAN SILVER SCREWS. Franklin S. Miles, 205 Quarry St., Philadelphia, Pa.

G. GIB SCREWS. Hartford Machine Screw Co., Hartford, Conn.
Reynolds & Co., New Haven, Conn.
St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, O.

H. GUN SCREWS. Columbus Bolt Works, Columbus, O.
Hartford Machine Screw Co., Hartford, Conn.

I. KNOB SCREWS.	P. & F. Corbin, New Britain, Conn.	
J. LAG SCREWS.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Bolt Co., Lowell, Mass.	
	Anderson Bolt Works, Anderson, Ind.	
	Clark Bros. & Co., Milldale, Conn.	
	Fowler & Sons, Anderson, Ind.	
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	Lamson & Sessions Co., Cleveland, O.	
	Michigan Bolt & Nut Works, Detroit, Mich.	
	Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Pennsylvania Bolt & Nut Co., Lebanon, Pa.	
	Reynolds & Co., New Haven, Conn.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Vulcan Iron Co., Richmond, Va.	
K. LOCK CAP SCREWS.	American Screw Co., Providence, R. I.	
L. LOCK NUT SCREWS.	Upson Nut Co., Cleveland, O.	
M. MACHINE SCREWS.	American Screw Co., Providence, R. I.	
	P. & F. Corbin, New Britain, Conn.	
	Detroit Machine Screw Works, Detroit, Mich.	
	Hartford Machine Screw Co., Hartford, Conn.	
	Hopedale Machine Co., Hopedale, Mass.	
	McCloud, Crane & Minter, Worcester, Mass.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	New Britain Hardware Co., New Britain, Conn.	
	Queen City Supply Co., 161 W. Pearl St., Cincinnati, O.	
	Reynolds & Co., New Haven, Conn.	
	Russell & Erwin Mfg. Co., New Britain, Conn.	
	St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.	
	Western Automatic Machine Screw Co., Elyria, O.	
	Worcester Machine Screw Co., Worcester, Mass.	
N. MACHINE CAP SCREWS.	Wm. H. Haskell & Co., Pawtucket, R. I.	
O. PHOSPHOR-BRONZE SCREWS.	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
P. PIANO SCREWS.	J. H. Sternbergh & Son, Reading, Pa.	
Q. PLATED SCREWS.	American Screw Co., Providence, R. I.	
	Grilley Co., New Haven, Conn.	
R. SEWING MACHINE SCREWS.	Hartford Machine Screw Co., Hartford, Conn.	
	Western Automatic Machine Screw Co., Elyria, O.	
S. SKEIN SCREWS.	Michigan Bolt & Nut Works, Detroit, Mich.	
	J. H. Sternbergh & Son, Reading, Pa.	
T. SPECIAL SCREWS.	American Screw Co., Providence, R. I.	
	St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.	
U. THUMB SCREWS.	Billings & Spencer Co., Hartford, Conn.	*103
	Detroit Machine Screw Works, Detroit, Mich.	
	St. Louis Screw Co., 811 N. 2d St., St. Louis, Mo.	
	Western Automatic Machine Screw Co., Elyria, O.	
	J. H. Williams & Co., 9 Richards St., Brooklyn, N. Y.	
V. WING SCREWS.	M. S. Brooks & Sons, Chester, Conn.	*98
W. WOOD SCREWS.	American Bolt Co., Lowell, Mass.	
	American Screw Co., Providence, R. I.	
	R. Bliss Mfg. Co., Pawtucket, R. I.	
	P. & F. Corbin, New Britain, Conn.	
	C. Cowles & Co., New Haven, Conn.	
	Foster, Merriam & Co., Meriden, Conn.	
	Wm. H. Haskell Co., Pawtucket, R. I.	
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.	
	National Bolt, Nut & Rivet Works, Reading, Pa.	*33
	Pennsylvania Bolt & Nut Co., Lebanon, Pa.	
	Southington Cutlery Co., Southington, Conn.	
	J. H. Sternbergh & Son, Reading, Pa.	
576. SCREW EYES.	M. S. Brooks & Sons, Chester, Conn.	*98
	H. L. Judd & Co., 87 Chambers St., New York.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Landers, Frary & Clark, New Britain, Conn.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Wire Goods Co., Worcester, Mass.	
A. CURTAIN SCREW EYES.	C. Cowles & Co., New Haven, Conn.	
	Ossawan Mills Co., Norwich, Conn.	*65
577. SPIKES.		
A. BOAT SPIKES.	Diamond State Iron Co., Wilmington, Del.	
	La Belle Iron Works, Wheeling, W. Va.	*34
	S. Severance, Pittsburgh, Pa.	
	Tudor Iron Works, 415 Locust St., St. Louis, Mo.	
B. CUT SPIKES.	Bellaire Nail Works, Bellaire, O.	
	E. & G. Brooke Iron Co., Birdsboro, Pa.	

Cumberland Nail & Iron Co. 43 N. Water St., Philadelphia, Pa.
Duncannon Iron Co., 122 Race St., Philadelphia, Pa.
La Belle Iron Works. Wheeling, W. Va. *34
D. M. McCormick & Co., Harrisburg, Pa.
Norton Iron Works, Ashland, Ky.
Old Dominion Iron & Nail Works Co., Richmond, Va. *35
Oxford Iron & Nail Co., Oxford, N. J.
Pottstown Iron Co., Pottstown, Pa.

C. RAILROAD SPIKES.
Allentown Rolling Mills, Allentown, Pa.
American Iron & Steel Works, Pittsburgh, Pa.
Billings & Spencer Co., Hartford, Conn. *103
Central Iron & Steel Co., Brazil, Ind.
P. & F. Corbin, New Britain, Conn.
Diamond State Iron Co., Wilmington, Del.
Dilworth, Porter & Co., Pittsburgh, Pa.
La Belle Iron Works, Wheeling, W. Va. *34
Leeds, Robinson & Co., 75 North St., Boston, Mass.
McLean Railroad Spike Co., Fremont, O.
Montour Iron & Steel Co., Danville, Pa.
New Albany Rail Mill Co., New Albany, Ind.
Pennsylvania Steel Co., Steelton, Pa.
Pottstown Iron Co., Pottstown, Pa.
S. Severance, Pittsburgh, Pa.
J. H. Sternbergh & Son, Reading, Pa.
Tredegar Co., Richmond, Va.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.

D. REVERSE POINT SPIKES.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.

E. SHIP SPIKES.
Diamond State Iron Co., Wilmington, Del.
La Belle Iron Works, Wheeling, W. Va. *34

F. STEEL SPIKES.
Benwood Iron Works, Wheeling, W. Va.
La Belle Iron Works, Wheeling, W. Va. *34
Pottstown Iron Co., Pottstown, Pa.

578. SPRING COTTERS.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.
Wire Goods Co., Worcester, Mass.

579. SPRING KEYS.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
E. Jenckes Mfg. Go., Pawtucket, R. I.
Meyer & Co., Throopsville, N. Y.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

580. STAIR FIXTURES.

A. STAIR BUTTONS.
Globe Curtain Pole Co., Waterbury, Conn.
M. Gould's Son & Co., 105 Duane St., New York.
H. L. Judd & Co., 87 Chambers St., New York.
John Kroeder, 255 Canal St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.
C. T. Williamson Wire Novelty Co., Newark, N. J.

B. STAIR CORNERS.
H. L. Judd & Co., 87 Chambers St., New York.

C. STAIR PLATES.
M. Gould's Son & Co., 105 Duane St., New York.
H. L. Judd & Co., 87 Chambers St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Wallace & Sons, 29 Chambers St., New York.

D. STAIR RODS.
Globe Curtain Pole Co., Waterbury, Conn.
M. Gould's Son & Co., 105 Duane St., New York.
H. L. Judd & Co., 87 Chambers St., New York.
John Kroder, 255 Canal St., New York.
W. T. Mersereau & Co., Newark, N. J.
H. M. Quackenbush, Herkimer, N. J.
Wallace & Sons, Ansonia, Conn.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

E. STAIR ROD EYES.
M. S. Brooks & Sons, Chester, Conn. *98
P. & F. Corbin, New Britain, Conn.
Wire Goods Co., Worcester, Mass.

F. STAIR ROD FASTENINGS.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

581. STAPLES.

A. BARBED STAPLES.
H. P. Nail Co., Cleveland, O.

B. BLIND STAPLES.
C. B. Rogers & Co., Norwich, Conn.
Wire Goods Co., Worcester, Mass.

C. FENCE STAPLES.
Braddock Wire Co., Pittsburgh, Pa.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hartman Mfg. Co., 10 Chambers St., New York.
Salem Wire Nail Co., Salem, O.
St. Louis Wire Mill Co., 21st & Papin Sts., St. Louis, Mo.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

D. STEEL STAPLES.
Wm. Chisholm & Sons, Cleveland, O.
Wheeling Hinge Co., Wheeling, W. Va.

E. TAIL-BOARD STAPLES.
Pratt & Letchworth, Buffalo, N. Y.

F. WAGON BOX STAPLES.
Cleveland Hardware Co., Cleveland, O.

Hurlbut Mfg. Co., Racine, Wis.

G. WIRE STAPLES.
B. F. Avery & Sons, Louisville, Ky.
Baker Wire Co., Des Moines, Iowa.
Cincinnati Barbed Wire Fence Co., Cincinnati, O.
Florence Tack Co., Florence, Mass.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Globe Rolling Mills Co., 165 W. Pearl St., Cincinnati, O.
Griswold Bros., Troy, N. Y.
Howard & Morse, 45 Fulton St., N. Y.
Kilmer Mfg. Co., Newburgh, N. Y.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Palmer Wire Mfg. Co., Palmer, Mass.
Stanley Works, New Britain, Conn. *32
Wire Goods Co., Worcester, Mass.
Worcester Wire Co., Worcester, Mass.

H. WROUGHT STAPLES.
Humason & Beckley Mfg. Co., New Britain, Conn.
Stanley Works, New Britain, Conn. *32
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
Wire Goods Co., Worcester, Mass.

582. STOVE PARTS.

A. STOVE CASTINGS.
Erie Car Heating Co., Erie, Pa.
Hoyt & Wynkoop, Troy, N. Y.
John Savery's Son & Co., 97 Beekman St., New York.

B. STOVE DAMPERS.
Bartlett Hardware Co., Freeport, Ill.
Berger Bros., 237 Arch St., Philadelphia, Pa.
Freeport Hardware Mfg. Co., Freeport, Ill.
Griswold Mfg. Co., Erie, Pa.
Chas. Millar & Sons, Utica, N. Y.
Patton Mfg. Co., Columbus, O.
Shepard Hardware Co., Buffalo, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Tuttle & Bailey Mfg. Co., 83 Beekman St., New York.
Warner Mfg. Co., Freeport, Ill.

C. STOVE FOOT RESTS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Fred. J. Myers Mfg. Co., Covington, Ky.
Palmer Mfg. Co., 290 Pearl St., New York.

D. STOVE HINGE PINS.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Freeport Hardware Mfg. Co., Freeport, Ill.
Greene & Mallett, Troy, N. Y.
Hoyt & Wynkoop, Troy, N. Y.

E. STOVE KNOBS.
Greene & Mallett, Troy, N. Y.
Hoyt & Wynkoop, Troy, N. Y.
N. Y. Nickel Plating & Mfg. Co., 227 W. 29th St., New York.

F. STOVE ORNAMENTS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

G. STOVE RAILS.
Matthews & Willard Co., Waterbury, Conn.

H. STOVE TRIMMINGS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Buffalo Register Works, Buffalo, N. Y.
Greene & Mallet, Troy, N. Y.
Hoyt & Wyncoop, Troy, N. Y.
Mansfield Plating Works, Mansfield, O.
Matthews & Willard Mfg. Co., Waterbury, Conn.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.
Troy Nickel Works, Troy, N. Y.
Worcester Ferrule & Mfg. Co., Worcester, Mass.

I. STOVE PIPE SHELVES.
Freeport Hardware Mfg. Co., Freeport, Ill.
L. W. Turner & Co., Yalesville, Conn.

583. STUDS.

A. BRASS STUDS.
Blake & Johnson, Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Standard Rivet Co., 105 Summer St., Boston, Mass. *244

B. IRON STUDS.
American Bolt Co., Lowell, Mass.
Detroit Machine Screw Works, Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Hopedale Machine Co., Hopedale, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Worcester Machine Screw Co., Worcester, Mass.

584. SWIVELS.

A. BRASS SWIVELS.
M. S. Brooks & Sons, Chester, Conn. *98
Smith & Egge Mfg. Co., Bridgeport, Conn.

B. CHAIN SWIVELS.
Bridgeport Chain Co., Bridgeport, Conn.
Pratt & Letchworth, Buffalo, N. Y.

C. IRON SWIVELS.
Dickson Mfg. Co., Scranton, Pa.
Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.

D. ROPE SWIVELS.
Pratt & Letchworth, Buffalo, N. Y.

585. TACKS.

A. BILL POSTERS' TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Evansville Mfg. Co., Evansville, Wis.	
	Stanley Works, New Britain, Conn.	*32
B. BRUSH TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
C. CARPET TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Evansville Mfg. Co., Evansville, Wis.	
	Grand Crossing Tack Co., Grand Crossing, Ill.	
	Hollis Tack & Nail Co., Ltd., Pittsburgh, Pa.	
	Maryland Tack Co., Baltimore, Md.	
	Sandwich Tack Co., Sandwich, Conn.	
	Stanley Works, New Britain, Conn.	*32
	L. C. Waterman & Sons, Hanover, Mass.	
	York Tack & Nail Works, York, Pa.	
D. CARRIAGE TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	C. Cowles & Co., New Haven, Conn.	
	Dash & Carriage Goods Co., 134 Hunt St. Cincinnati, O.	
	English & Mersick, New Haven, Conn.	
	Evansville Mfg. Co., Evansville, Wis.	
	York Tack & Nail Works, York, Pa.	
E. COPPER TACKS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Wallace & Sons, Ansonia, Conn.	
F. COVERED TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	New York Button Works, 254 Canal St., New York.	
G. CRIMPING TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	H. A. Williams Mfg. Co., Taunton, Mass.	*52
	York Tack & Nail Works, York, Pa.	
H. GIMP & LACE TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Cobb & Drew, Plymouth, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Greene & Mallett, Troy, N. Y.	
	Stanley Works, New Britain, Conn.	*32
I. DOUBLE POINTED TACKS.	Double Pointed Tack Co., 108 Chambers St., New York.	
	Florence Tack Co., Florence, Mass.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Wire Goods Co., Worcester, Mass.	
	York Tack & Nail Works, York, Pa.	
J. LEATHERED CARPET TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Cobb & Drew, Plymouth, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
K. LOOKING GLASS TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
L. MINERS' TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Stanley Works, New Britain, Conn.	*32
M. PHOSPHOR-BRONZE TACKS.	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
N. RUBBER HEAD TACKS.	English & Mersick, New Haven, Conn.	
O. SHOE TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Houghton & Godfrey, Lynn, Mass.	
	Pawtucket Tack Co., Pawtucket, R. I.	
	Sandwich Tack Co., Sandwich, Mass.	
	Stanley Works, New Britain, Conn.	*32
	H. A. Williams Mfg. Co., Taunton, Mass.	*52
	York Tack & Nail Works, York, Pa.	
P. STEEL TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Stanley Works, New Britain, Conn.	*32
	York Tack & Nail Works, York, Pa.	
Q. SWEDES IRON TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Evansville Mfg. Co., Evansville, Wis.	
	Stanley Works, New Britain, Conn.	*32
R. UPHOLSTERY TACKS.	Atlas Tack Corporation, Sears Building, Boston, Mass.	
	Chicago Tack Co., Grand Crossing, Ill.	
	Evansville Mfg. Co., Evansville, Wis.	

Hollis Tack & Nail Co., Ltd., Pittsburgh, Pa.
Sandwich Tack Co., Sandwich, Mass.
Stanley Works, New Britain, Conn. *32

S. WIRE TACKS.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Palmer Wire Mfg. Co., Palmer, Mass.
Salem Wire Nail Co., Salem, O.
Wire Goods Co., Worcester, Mass.
York Tack & Nail Works, York, Pa.

586. TRANSOM FIXTURES.

A. TRANSOM LIFTERS.
Palmer Hardware Mfg. Co., Troy, N. Y.
J. F. Wollensak, 225 Lake St., Chicago, Ill.

B. TRANSOM PIVOTS.
Palmer Hardware Mfg. Co., Troy, N. Y.
Russell & Erwin Mfg. Co., New Britain, Conn.

587. TRAPS.

A. BEAR TRAPS.
Oneida Community, Ltd., Community, N. Y.

B. FISH TRAPS.
Fred J. Meyers Mfg. Co., Covington, Ky.

C. FLY TRAPS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cin., O.
Fred J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

D. GLASS FLY TRAPS.
McKee & Bros., Pittsburgh, Pa.

E. MOLE TRAPS.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
L. H. Olmsted, Hasbrouck Heights, N. J.

F. RAT KILLERS.
E. L. Hotchkiss, Bridgeport, Conn.

G. RAT & MOUSE TRAPS.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
R. E. Dietz Co., 60 Laight St., New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
E. S. Hotchkiss, Bridgeport, Conn.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Lovell Mfg. Co., Ltd., Erie, Pa.
National Mfg. Co., Worcester, Mass.
Ripley Mfg. Co., Unionville, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Tinker & Hull, Meadville, Pa.
Union Mfg. Co., Toledo, O.
Wire Goods Co., Worcester, Mass.

H. ROACH TRAPS.
Fred J. Meyers Mfg. Co., Covington, Ky.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116

I. STEEL TRAPS.
Blake, Lamb & Co., Waterbury, Conn.
Oneida Community, Ltd., Community, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.

588. TRIMMINGS, HARDWARE.

J. F. Kitchell Mfg. Co., Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
John H. Sessions & Son, Bristol, Conn.
Waterbury Button Co., Waterbury, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

A. BLIND TRIMMINGS.
Cutter & Parker, 232 Friend St., Boston, Mass.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
F. W. Maurer & Sons, 529 Arch. St., Philadelphia, Pa.

B. CORNICE POLE TRIMMINGS.
Globe Curtain Pole Co., Waterbury, Conn.
W. T. Mersereau & Co., Newark, N. J.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

C. CURTAIN POLE TRIMMINGS.
American Ring Co., Waterbury, Conn.
Cushmann Bros. & Co., 84 Hawley St., Boston, Mass.
Globe Curtain Pole Co., Waterbury, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

D. FURNITURE TRIMMINGS.
Burns Silver Co., Bridgeport, Conn.
Grand Rapids Co., Grand Rapids, Mich.
Meriden Bronze Co., Meriden, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Wayne Hardware Co., 140 Main St., Cincinnati, O.

E. ICE HOUSE TRIMMINGS.
Geo. B. Whateley, 139 Lewis St., New York.

F. REFRIGERATOR TRIMMINGS.
Buffalo Register Works, Buffalo, N. Y.
Dayton Mfg. Co., Dayton, O.
Post & Co., 217 W. 4th St., Cincinnati, O.

589. TRUNK TRIMMINGS.
M. Gould's Son & Co., Newark, N. J.
R. C. Jenkinson & Co., Newark, N. J.
J. H. Sessions & Son, Bristol, Conn.
Edw. Simon & Bros., Newark, N. J.
Schmit Bros. Trunk Co., Oshkosh, Wis.

590. TURNBUCKLES.
American Bolt Co., Lowell, Mass.
Central Iron & Steel Co., Brazil, Ind.

Chaifant Mfg. Co., Atglen, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
P. & F. Corbin, New Britain, Conn.
Dickson Mfg. Co., Scranton, Pa.
Wm. Haskell Co., Pawtucket, R. I.
Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
McCosh Iron & Steel Co., Burlington, Iowa.
Merrill Bros., 465 Kent Av., Brooklyn, N. Y.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., Main & Florida Sts., St. Louis, Mo.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pennsylvania Bolt & Nut Co., Lebanon, Pa.
Rhode Island Tool Co., Providence, R. I.
G. M. Stanwood & Co., Portland, Me.
J. H. Sternbergh & Son, Reading, Pa.
Vulcan Iron Co., Richmond, Va.

591. TWINE BOXES.

E. J. Hoadley, Hartford, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Landers, Frary & Clark, New Britain, Conn.
Nicol & Co., 23 River St., Chicago, Ill.
Turner & Seymour Mfg. Co., Torrington, Conn.

592. WASHERS.

A. BRASS WASHERS.

Bridgeport Brass Co., Bridgeport, Conn. *27
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Wm. H. Haskell Co., Pawtucket, R. I.
Reynolds & Co., New Haven, Conn.
Stanley Works, New Britain, Conn. *32
Steele & Johnson Mfg. Co., Waterbury, Conn.

B. COPPER WASHERS.

W. H. Haskell & Co., Pawtucket, R. I.
Taunton Copper Mfg. Co., Taunton, Mass. *51

C. IRON WASHERS.

Allison Mfg. Co., S. 32d & Walnut Sts., Philadelphia, Pa.
American Bolt Co., Lowell, Mass.
Anderson Bolt Works, Anderson, Ind.
Birmingham Iron Foundry, Birmingham, Conn.
Clark Bros. & Co., Milldale, Conn.
Columbus Bolt Works, Columbus, O.
Diamond State Iron, Wilmington, Del.
E. W. Gilmore & Co., North Easton, Mass.
Wm. H. Haskell Co., Pawtucket, R. I.
H. W. Humphrey, Unionville, Conn.
Lake Erie Iron Co., Cleveland, O.
Lebanon Rolling Mills, Lebanon, Pa.
Lindsay & McCutcheon, Pittsburgh, Pa.
McCosh Iron & Steel Co., Burlington, Iowa.
Milton Mfg. Co., Milton, Pa.
National Bolt, Nut & Rivet Works, Reading, Pa. *33
Pennsylvania Bolt & Nut Works, Lebanon, Pa.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Port Chester Bolt & Nut Co., Port Chester, N. Y.
Reynolds & Co., New Haven, Conn.
J. H. Sternbergh & Son, Reading, Pa.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Upson Nut Co., Unionville, Conn.
Vulcan Iron Co., Richmond, Va.
Thos. Wrigley, Paterson, N. J.

D. PHOSPHOR-BRONZE WASHERS.

Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.

E. STEEL WASHERS.

Wm. Chisholm & Sons, Cleveland, O.
Wm. H. Haskell Co., Pawtucket, R. I.
E. B. Lanman, Columbus, O.
Lebanon Rolling Mills, Lebanon, Pa.
J. H. Sternbergh & Son, Reading, Pa.
I. N. Topliff Mfg. Co., Cleveland, O.
Upson Nut Co., Unionville, Conn.

F. TIN WASHERS.

H. W. Humphrey, Unionville, Conn.

G. VULCANIZED FIBRE WASHERS.

Vulcanized Fibre Co., Wilmington, Del.

593. WELL WHEELS.

Pennsylvania Hardware Co., Reading. Pa.
Rumsey & Co., Ltd., 107 Liberty St., New York.
E. C. Stearns & Co., Syracuse, N. Y.

594. WINDOW FIXTURES.

A. BRASS WINDOW FIXTURES.

J. R. Palmenberg's Sons, 468 Broome St., New York.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. WINDOW ANTI-RATTLERS.

Stoddard Lock & Mfg. Co., Saybrook, Conn.
United Rubber Co., Trenton, N. J.

C. WINDOW SPRINGS.
Wallace Barnes, Bristol, Conn.
Dunbar Bros., Bristol, Conn.
Morgan Spring Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.

D. WINDOW SPRINGS, BURGLAR ALARM.
New Haven Clock Co., New Haven, Conn.
Wallace Barnes, Bristol, Conn.

E. WINDOW TIGHTENERS.
Glines & Holmes Mfg. Co., Bridgeport, Conn.

595. WINDOW SHADE FIXTURES.
H. C. Kroh & Co., 678 Broadway, New York.
Meriden Curtain Fixture Co., Meriden, Conn.
Stewart Hartshorn, Harrison, N. J.
Turner & Seymour Mfg. Co., Torrington, Conn.
Jay C. Wemple Co., 537 Broadway, New York.

XVIII. HEATING.

596. ANDIRONS.

A. BRASS ANDIRONS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. S. Conover & Co., 30 W. 23d St., New York.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
W. H. Jackson & Co., 29 E. 17th St., New York.
H. L. Judd & Co., 87 Chambers St., New York.
Peck, Stow & Wilcox Co., Southington, Conn.
Pittsburgh Brass Co., Pittsburgh, Pa.
Sharpless & Watts, 1522 Chestnut St., Philadelphia, Pa.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. IRON ANDIRONS.
Bristol Foundry & Machine Works, Bristol, Tenn.
J. S. Conover & Co., 30 W. 23d St., New York.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
W. H. Pries, 433 Canal St., New York.
Rochester Lamp Co., 37 Barclay St., New York.
John Savery's Son & Co., 97 Beekman St., New York.
Wrenn, Whitehurst & Co., Norfolk, Va.

597. BOILERS, HOUSE.

A. CYLINDER BOILERS.
Iron Clad Mfg. Co., 22 Cliff St., New York.
R. Munroe & Son, Pittsburgh, Pa. *161
Peck Bros. & Co., New Haven, Conn.
Ronald & Co., 54 Cliff St., New York.
Trageser Steam Copper Works, 447 W. 26th St., New York.

B. HOUSE HEATING BOILERS.
Baker & Smith Co., 81 Jackson St., Chicago, Ill.
Bartlett, Hayward & Co., Baltimore, Md.
Samuel Booth, 543 W. 35th St., New York.
Broomel, Schmidt & Co., York, Pa.
Canton Mfg. Co., Canton, O.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Herendeen Mfg. Co., 7 Market St., Geneva, N. Y.
M. Maloney, Troy, N. Y.
D. F. Morgan Boiler Co., Akron, O.
Mt. Penn Stove Works, Reading, Pa.
R. Munroe & Son, Pittsburgh, Pa. *161
New York Central Iron Works, Geneva, N. Y.
Randolph & Clowes, Waterbury, Conn.
Ronald & Co., 54 Cliff St., New York.
E. Rutzler, 178 Centre St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
H. B. Smith Co., Westfield, Mass. *55
Williams Bros., Ithaca, N. Y.

C. RANGE BOILERS.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Thos. Phillips & Co., Providence, R. I.
Ronald & Co., 54 Cliff St., New York.
Trageser Steam Copper Works, 447 W. 26th St., New York.

598. BURNERS.

A. GAS HEATING BURNERS.
Buffalo Dental Supply Mfg. Co., Buffalo, N. Y.

Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

B. GASOLINE BURNERS.
American Oil Stove Co., Gardner, Mass.
Geo. M. Clark & Co., 157 Superior St., Chicago, Ill.
M. Mahoney, Troy, N. Y.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

C. HYDRO-CARBON BURNERS.
Terre Haute Hydro-Carbon Burner Co., Terre Haute, Ind.

D. OIL FUEL BURNERS.
Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
Racine Hardware Mfg. Co., Racine, Wis.

599. COAL HODS.

A. BRASS COAL HODS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
J. S. Conover & Co., 30 W. 23d St., New York.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
Heinz & Munschauer, Buffalo, N. Y.
John C. Jewett Mfg. Co., Buffalo, N. Y.
H. L. Judd & Co., 87 Chambers St., New York.
Palmer Mfg. Co., 290 Pearl St., New York.
Pittsburgh Brass Co., Pittsburgh, Pa.
Sidney Shepard Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. CORRUGATED STEEL COAL HODS.
Corrugated Steel Hod Co., Spring Grove Av., Cincinnati, O.
Victor Knecht, Cincinnati, O.

C. IRON COAL HODS.
J. S. Conover & Co., 30 W. 23d St., New York.
Geo. Griffiths & Co., 513 Locust St., Philadelphia, Pa.
Iron Clad Mfg. Co., 22 Cliff St., New York.
W. H. Jackson & Co., 29 E. 17th St., New York.
Victor Knecht, 195 Wade St., Cincinnati, O.
John Pfeifer & Co., 224 Race St., Philadelphia, Pa.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Troy Stamping Works, Troy, N. Y.

600. CRUCIBLES.
The Bridgeport Crucible Co., Bridgeport, Conn.
A. M. Guthrie & Co., Ltd., Pittsburgh, Pa.
Hussman Crucible Co., 407 N. Broadway, St. Louis, Mo.
McCullough, Dalzell & Co., Pittsburgh, Pa.
S. Obermayer F. S. Mfg. Co., Evans S. of 8th St., Cin., O. *54
Phœnix Mfg. Co., Taunton, Mass.
R. B. Seidel, 1324 Callowhill St., Philadelphia, Pa.
Taunton Crucible Co., Taunton, Mass.
I. H. Yantier, Jersey City, N. J.

601. CUPOLAS.
R. Munroe & Son, Pittsburgh, Pa. *161

602. FENDERS.

A. BRASS FENDERS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
J. S. Conover & Co., 30 W. 23d St., New York.
Edgewood Co., New Haven, Conn.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
Farnham Marble & Mantel Co., Minneapolis, Minn.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
W. H. Jackson & Co., 29 E. 17th St., New York.
H. L. Judd & Co., 87 Chambers St., New York.
Manhattan Brass Co., 338 E. 28th St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Pittsburgh Brass Co., Pittsburgh, Pa.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. FOLDING FENDERS.
Howard & Morse, 45 Fulton St., New York.

C. IRON FENDERS.
J. S. Conover & Co., 30 W. 23d St., New York.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
Howard & Morse, 45 Fulton St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.

D. NURSERY FENDERS.
J. W. Fiske, 28 Park Place, New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
Pittsburgh Brass Co., Pittsburgh, Pa.

E. REGISTER FENDERS.
John C. Jewett Mfg. Co., Buffalo, N. Y.

F. SPARK GUARDS.
Bromwell Brush & Wire Goods Co., 18 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.

G. WIRE FENDERS.
Bromwell Brush & Wire Goods Co., 18 Walnut St., Cincinnati, O.
DeWitt Wire Cloth Co., 32 Reade St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.

603. FIRE BACKS.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
W. C. Metzner Stove R. Co., 125 W. Randolph St., Chicago, Ill.

	Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.
A. IRON CHIMNEY BACKS.	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	John Savery's Son & Co., 97 Beekman St., New York.
604. FIRE CARRIERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
605. FIRE CEMENT.	Hall & Sons, Buffalo, N. Y.
	Union Stove Lining Co., Taunton, Mass.
A. CUPOLA CEMENT.	Rutland Fire Clay Co., Rutland, Vt.
B. FURNACE CEMENT.	C. W. Hart, Troy, N. Y.
	John L. Thompson, Sons & Co., Troy, N. Y.
	Troy Paint & Color Works, Troy, N. Y.
C. FURNACE CEMENT, ASBESTOS.	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
D. HOT BLAST CEMENT.	John A. McConnell & Co., Pittsburgh, Pa.
E. RETORT CEMENT, ASBESTOS.	Chalmers-Spence Co., 419 8th St., New York.
F. STOVE CEMENT.	S. Obermayer F. S. Mfg.Co., Evans St., S. of 8th St., Cin.,O. *54
	Rutland Fire Clay Co., Rutland, Vt.
	John L. Thompson, Sons & Co., Troy, N. Y.
606. FIRE PLACE FURNITURE.	
A. BLOWER STANDS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	J. W. Fiske, 28 Park Place, New York.
	H. L. Judd & Co., 87 Chambers St., New York.
	John Savery's Son & Co., 97 Beekman St., New York.
B. BRASS FIRE SETS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	J. S. Conover & Co., 30 W. 23d St., New York.
	Edgewood Co., New Haven, Conn.
	Eureka Foundry Co., 123 Gest St., Cincinnati, O.
	Farnham Marble & Mantel Co., Minneapolis, Minn.
	W. H. Jackson & Co., 29 E. 17th St., New York.
	H. L. Judd & Co., 87 Chambers St., New York.
	St. Paul Mantel & Desk Co., St. Paul, Minn.
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.
C. COAL TONGS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	John Savery's Son & Co., 97 Beekman St., New York.
D. FIRE IRON STANDS.	W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
	H. L. Judd & Co., 87 Chambers St., New York.
	John Savery's Son & Co., 97 Beekman St., New York.
E. FIRE SETS.	Bissell & Co., Pittsburgh, Pa.
	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Peck, Stow & Wilcox Co., Southington, Conn.
	Rochester Lamp Co., 37 Barclay St., New York.
F. IRON FIRE SETS.	J. S. Conover & Co., 30 W. 23d St., New York.
	W. H. Pries, 433 Canal St., New York.
G. STEEL FIRE SETS.	John Savery's Son & Co., 97 Beekman St., New York.
607. FLUE STOPPERS.	Ansonia Brass & Copper Co., Ansonia, Conn. *211
	Freeport Hardware Mfg. Co., Freeport, Ill.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	Jackson Arch. Iron Works, 315 E. 28th St., New York.
608. FOOT WARMERS.	W. H. Dick, Dansville, N. Y.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Williams & Co., Nashua, N. H.
609. FURNACES.	
A. ANNEALING FURNACES.	Brown & Sharpe Mfg. Co., Providence, R. I.
	McFadden Co., 735 Market St., Philadelphia, Pa.
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
B. ASSAY FURNACES.	Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
	Wm Haskins, 81 Clark St., Chicago, Ill.
C. BLAST FURNACES.	Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
	Gordon, Strobel & Laureau, Ltd., Philadelphia, Pa.
	Lebanon Mfg. Co., Lebanon, Pa.
	Leechburg Foundry & Mach. Co., Pittsburgh, Pa.
	Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
	R. Munroe & Son, Pittsburgh, Pa. *161
	Geo. Reeves, Niles, O.
	Riter & Conley, Pittsburgh, Pa.
	Weiner Machine Works Co., Lebanon, Pa.
	Wharton McKnight, Pittsburgh, Pa.

D. BOILER FURNACES.	Backus Co., Detroit, Mich.
	Samuel Booth, 543 W. 35th St., New York.
	Continental Iron Works, Calyer cor. West Sts., Brooklyn, N. Y.
	R. Munroe & Son, Pittsburgh, Pa. *161
E. BRASS MOULDERS' FURNACES.	S. Obermayer F. S. Mfg. Co., Evans St., S. of 8th St., Cin., O. *54
F. CANDY FURNACES.	J. P. Anderson & Co., 614 Filbert St., Philadelphia, Pa.
	McDowell Oven & Furnace Co., 64 Pitts St., Boston, Mass.
G. CASE HARDENING FURNACES.	Brown & Sharpe Mfg. Co., Providence, R. I.
	Chicago & Erie Stove Co., Erie, Pa.
H. CASTING FURNACES.	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
I. DRYING FURNACES.	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
	Fulton Iron Works, San Francisco, Cal.
	Rubel & Co., 114 Lake St., Chicago, Ill.
J. FRUIT DRYING FURNACES.	American Mfg. Co., Waynesboro', Pa.
	B. B. Beardsley, Waterville, N. Y.
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
	J. S. & M. Peckham, Utica, N. Y.
	Stringer, Dexter & Co., Munnsville, N. Y.
K. GAS FURNACES.	American Gas Furnace Co., Elizabeth, N. J.
	American Meter Co., 177 Elm St., Cincinnati, O.
	Buffalo Dental Supply Mfg. Co., Buffalo, N. Y.
	E. P. Reichhelm & Co., 80 Nassau St., New York.
L. HEATING FURNACES.	Abendroth Bros., 109 Beekman St., New York.
	Barstow Stove Co., Providence, R. I.
	P. D. Beckwith, Dowagiac, Mich.
	Buckwalter Stove Co., Royersford, Pa.
	Boynton Furnace Co., 207 Water St., New York.
	Bramhall, Deane & Co., 264 Water St., New York.
	Buffalo Forge Co., Buffalo, N. Y.
	Carton Furnace Co., Utica, N. Y.
	Continental Iron Works, Calyer cor. West Sts., Brooklyn, N.Y.
	Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
	Defiance Machine Works, Defiance, O.
	Detroit Heating & Lighting Co., Detroit, Mich.
	Diller, Caskey & Co., N. 6th & Berk Sts., Philadelphia, Pa.
	N. P. Dixon & Co., 1330 Chestnut St., Philadelphia, Pa.
	Ely & Ramsay, 247 Water St., New York.
	W. G. Fischer Cooking & H't'g App. Mfg. Co., Cincinnati, O.
	Fulley & Warren Co., Troy, N. Y.
	Gurney Hot Water Heater Co., 163 Franklin St., Boston, Mass.
	Graff & Co., 208 Water St., New York.
	W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
	J. C. Henderson & Co., Troy, N. Y.
	Herendeen Mfg. Co., Geneva, N. Y.
	Hersh Furnace Co., Lehighton, Pa.
	Highland Foundry Co., Boston Highlands, Mass.
	Howard Furnace Co., Syracuse, N. Y.
	Jergstrom Bros. & Co., Neenah, Wis.
	Littlefield Stove Co., Albany, N. Y.
	Magee Furnace Co., 30 Union St., Boston, Mass.
	M. Mahoney, Troy, N. Y.
	National Hot Water Heater Co., 195 Ft. Hill Sq., Boston, Mass.
	National Machinery Co., Tiffin, O. *129
	New York Central Iron Works, Geneva, N. Y.
	Pittston Stove Co., Pittston, Pa.
	Richardson, Boynton & Co., 232 Water St., New York.
	Richmond Stove Co., Norwich, Conn.
	Isaac A. Sheppard & Co., 4th & Montgomery Sts., Phila., Pa.
	Simonds Mfg. Co., 50 Cliff St., New York.
	H. B. Smith & Co., Westfield, Mass. *55
	Jas. Spear Stone & Heating Co., 1014 Market St., Phila., Pa.
	Superior Furnace Co., Little Falls, N. Y.
	Stuart & Petersen Co., Noble & N. Broad Sts., Philadelphia, Pa.
	Union Stove Works, 70 Beekman St., New York.
	Uzal, Cory & Co., 210 Water St., New York.
	Horace E. Walker & Co., 17 Union St., Boston, Mass.
	Weir Stove Co., Taunton, Mass.
	Russel Wheeler, Son & Co., Utica, N. Y.
	World's Best Furnace Co., Minneapolis, Minn.
M. IRON & STEEL FURNACES.	Samuel Booth, 543 W. 35th St., New York.
	Eureka Co., Oxmoor, Ala.
	Lebanon Mfg. Co., Lebanon, Pa.
	Phœnix Iron Co., Trenton, N. J.
	Rubel & Co., 114 Lake St., Chicago, Ill.
	H. B. Smith & Co., Westfield, Mass. *55

N. LAUNDRY FURNACES.
American Gas Furnace Co., 80 Nassau St., New York.
Bennett & Peck, 245 W. 5th St., Cincinnati, O.
John S. Savery's Son & Co., 97 Beekman St., New York.
Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168

O. MUFFLE FURNACES.
Duncan McKenzie, Trenton, N. J. *118

P. OPEN HEARTH FURNACES.
Abram Cox Stove Co,, 144 N. 2d St., Philadelphia, Pa.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.

Q. PITCH FURNACES.
Francis Fritsch Mfg. Co., 289 McMicken Av., Cincinnati, O.
Alex. Laughlin & Co., Cleveland, O.
Wm. Swindell & Bros., Pittsburgh, Pa.

R. REGENERATING FURNACES.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.

S. SMELTING FURNACES.
American Gas Furnace Co., 80 Nassau St., New York.
American Oil Stove Co., Gardner, Mass.
Cyrus Currier & Sons, Newark, N. J.
Patton Mfg. Co., Columbus, O.

T. SOLDERING FURNACES.
Dangler Stove & Mfg. Co., Cleveland, O.
Schneider & Trenkamp Co., Cleveland, O.

U. TEMPERING FURNACES.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Dickson Mfg. Co., Scranton, Pa.

610. GAS LOGS.
American Meter Co., 177 Elm St., Cincinnati, O.
H. P. Dixon & Co., 1330 Chestnut St., Philadelphia, Pa.
Jacob C. Cassel, 709 Arch St., Philadelphia, Pa.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
N. U. Walker Clay Mfg. Co., Walkers, O.

611. GRATES.

A. ENAMELLED GRATES.
Bristol Foundry & Machine Works, Bristol, Tenn.
S. Hand Mfg. Co., 271 W. 5th St., Cincinnati, O.
J. L. Mott Iron Works, 90 Beekman St., New York.
Phillips & Buttorff Mfg. Co , Nashville, Tenn.

B. FIRE BASKETS.
W. H. Jackson & Co., 29 E. 17th St., New York.
F. & L. Kahn & Bros., Hamilton, O.
J. L. Mott Iron Works, 90 Beekman St., New York.
Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.

C. FIRE PLACE GRATES.
Bissell & Co., Pittsburgh, Pa.
Bristol Foundry & Machine Works, Bristol, Tenn.
Buckwalter Stove Co., Royersford, Pa.
J. S. Conover & Son, 30 West 23d St., New York.
Henry Dibblee Co., 266 Wabash Av., Chicago, Ill.
H. P. Dixon & Co., 1330 Chestnut St., Philadelphia, Pa.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
W. H. Harrison & Bros., 1435 Chestnut St., Philadelphia, Pa.
W. H. Jackson & Co., 29 E. 17th St., New York.
Lithgow Mfg. Co., Louisville, Ky. *56
Manhattan Brass Co., 338 E. 28th St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.
Peerless Mfg. Co., Louisville, Ky.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
John Savery's Son & Co., 97 Beekman St., New York.
Sharpless & Watts, 1522 Chestnut St., Philadelphia, Pa.
H. B. Smith Co., Westfield, Mass. *55
Taylor & Boggis Foundry Co., Cleveland, O.
H. Wetter Mfg. Co., Memphis, Tenn.

D. FURNACE GRATES.
David Bradley Mfg. Co., 6 N. Desplaines St., Chicago, Ill.
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Magee Furnace Co., 30 Union St., Boston, Mass.
J. L. Mott Iron Works, 90 Beekman St., New York.
Oil City Boiler Works, Oil City, Pa.

E. GRATE FIXTURES.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Eureka Foundry Co., 123 Gest St., Cincinnati, O.
J. L. Mott Iron Works, 90 Beekman St., New York.

F. GRATE FRONTS.
Crea, Graham & Co., Pittsburgh, Pa.
J. L. Mott Iron Works, 90 Beekman St., New York.

G. STOVE GRATES.
Carlisle Mfg. Co.. Carlisle, Pa.
W. W. Magill & Sons, Front & Harriet St., Cincinnati, O.
J. L. Mott Iron Works, 90 Beekman St., New York.
Ohio Stove Co., Portsmouth, O.
Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.
Wheeler Foundry Co., Worcester, Mass.

612. GRATES, POWER.
Carlisle Mfg. Co., Carlisle, Pa.
Dickson Mfg. Co., Scranton, Pa.
Harrisburg Car. Mfg. Co. (F'dry&Mach. Dept.), Harrisburg, Pa

A. CULM BURNING GRATES.
Dickson Mfg. Co., Scranton, Pa.

B. GRATE BARS.
Dickson Mfg. Co., Scranton, Pa.

Emporia Foundry & Machine Works, Emporia, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Holyoke Machine Co., Holyoke, Mass.
John Mohr & Son, 32 Illinois St., Chicago, Ill.
R. Munroe & Son, Pittsburgh, Pa. *161
Oil City Boiler Works, Oil City, Pa.
E. Rutzler, 178 Centre St., New York.
Ryan-McDonald Mfg. Co., Waterloo, N. Y.
Salamander Grate Bar Co., 110 Liberty St., New York.
W. W. Tupper & Co., 206 West St., New York.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

613. HEAT REGULATORS.
Consolidated Temperature Controlling Co., Minneapolis, Minn.
H. B. Smith Co., Westfield, Mass. *55

614. HEATERS.

A. AUTOMATIC FREIGHT CAR HEATERS.
Eastman Freight Car Heater Co., 50 State St., Boston, Mass.

B. BALTIMORE HEATERS
B. C. Bibb Stove Co., Baltimore, Md.
Fuller & Warren Co., Troy, N. Y.

C. CAR HEATERS.
Baker & Smith Co., 81 Jackson St., Chicago, Ill.
Botsford Car Heating Co., Lorain, O.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Burton Electric Co., Richmond, Va.
W. G. Creamer & Co., 96 John St., New York.
Erie Car Heating Co., Erie, Pa.
Fuller & Warren Co., Troy, N. Y.
Gold Car Heating Co., 6 N. Y. & Brooklyn Bridge, New York.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Martin Anti-Fire Car Heater Co., Dunkirk, N. Y.

D. COMBINATION STEAM & WARM AIR HEATERS.
M. Mahoney, Troy, N. Y.
J. F. Pease Furnace Co., Syracuse, N. Y.

E. FIRE PLACE HEATERS.
Barstow Stove Co., Providence, R. I.
Boynton Furnace Co., 207 Water St., New York.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Ely & Ramsay, 247 Water St., New York.
Fuller & Warren Co., Troy, N. Y.
Union Stove Works, 70 Beekman St., New York.

F. GAS HEATERS.
American Gas Furnace Co., Elizabeth, N. J.
American Meter Co., 177 Elm St., Cincinnati, O.
Buffalo Dental Supply Mfg. Co., Buffalo, N. Y.
Empire Laundry Machinery Co., 185 High St., Boston, Mass.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

G. GLUE HEATERS.
Wm. H. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.
Nason Mfg. Co., 71 Beekman St., New York.
Pancoast & Maule, 243 S. 3d St., Philadelphia, Pa.

H. HOT WATER HEATERS.
Boynton Furnace Co., 207 Water St., New York.
Eureka Steam Heating Co., Rochester, N. Y.
Ferguson Boiler Co., Albany, N. Y.
Fuller & Warren Co., Troy, N. Y.
Gurney Hot Water Heater Co., 163 Franklin St., Boston, Mass.
Heipershausen Bros., 43 Tompkins St., New York.
Herendeen Mfg. Co., Geneva, N. Y.
D. F. Morgan Boiler Co., Akron, O.
National Hot Water Heater Co., 195 Ft. Hill Sq., Boston, Mass.
N. Y. Central Iron Works, Geneva, N. Y.
Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
Richardson & Boynton Co., 232 Water St., New York.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
Richmond Stove Co., Norwich, Conn.
H. B. Smith Co., Westfield, Mass. *55
H. B. Smith Machine Co., Smithville, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131

I. LAUNDRY HEATERS.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Gurney Hot Water Heater Co., 163 Franklin St., Boston, Mass.
M. Mahoney, Troy, N. Y.
Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168

J. OIL SEED MEAL HEATERS.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
John E. Randle & Co., Memphis, Tenn.

K. ROTARY HEATERS.
Birmingham Iron Foundry, Birmingham, Conn.

L. SAD IRON HEATERS.
Adams Laundry Machinery Co., Troy, N. Y.
Central Oil Stove Co., Florence, Mass.
M. Mahoney, Troy, N. Y.
Patton Mfg. Co., Columbus, O.
Shepard Hardware Co., Buffalo, N. Y.

M. STATIONARY HEATERS.
Birmingham Iron Foundry, Birmingham, Conn.

	Boynton Furnace Co., 207 Water St., New York.
	Herendeen Mfg. Co., Geneva, N. Y.
	D. F. Morgan, Boiler Co., Akron, O.
N. STEAM HEATERS.	Baker & Smith Co., 81 Jackson St., Chicago, Ill.
	Isaac B. Davis & Son, Hartford, Conn.
	National Hot Water Heater Co., 195 Ft. Hill Sq., Boston, Mass.
	New York Central Iron Works, Geneva, N. Y.
	Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y.
	Pierce Steam Heating Co., Buffalo, N. Y.
	Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
	Richardson & Boynton Co., 232 Water St., New York.
	Richmond Stove Co., Norwich, Conn.
	Silsby Mfg. Co., Seneca Falls, N. Y.
	H. B. Smith Co., Westfield, Mass. *55
	Weston Engine Co., Painted Post, N. Y.
	Williams Bros., Ithaca, N. Y.
O. STEAM HEATERS, PORTABLE.	Backus Portable Steam Heater Co., 22 Park Place, New York.
	H. B. Smith Co., Westfield, Mass. *55
	Richmond Stove Co., Norwich, Conn.

615. HEATING APPARATUS.

A. GAS HEATING APPARATUS.	American Meter Co., 177 Elm St., Cincinnati, O.
	Eimer & Amend, 205 3d Av., New York.
B. GREEN HOUSE HEATING APPARATUS.	E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
	Boynton Furnace Co., 207 Water St., New York.
	Exeter Machine Works, Exeter, N. H.
	Fuller & Warren Co., Troy, N. Y.
	A. A. Griffing Iron Co., Jersey City, N. J.
	Hitchings & Co., 233 Mercer St., New York.
C. HOT BLAST HEATING APPARATUS.	Boston Blower Co., 281 Franklin St., Boston, Mass.
	E. Rutzler, 178 Centre St., New York.
D. HOT BLAST STEAM HEATING APPARATUS.	Boston Blower Co., 281 Franklin St., Boston, Mass.
	E. Rutzler, 178 Centre St., New York.
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
E. HOT WATER HEATING APPARATUS.	Baker, Smith & Co., 81 W. Houston St., New York.
	Boynton Furnace Co., 207 Water St., New York.
	Fuller & Warren Co., Troy, N. Y.
	A. A. Griffing Iron Co., Jersey City, N. J.
	Gurney Hot Water Heater Co., 163 Franklin St., Boston, Mass.
	Herendeen Mfg. Co., Geneva, N. Y.
	Hitchings & Co., 233 Mercer St., New York.
	Natl. Hot Water Heater Co., 195 Fort Hill Sq., Boston, Mass.
	Richardson & Boynton Co., 232 Water St., New York.
	Richmond Stove Co., Norwich, Conn.
	E. Rutzler, 178 Centre St., New York.
	H. B. Smith Co., Westfield, Mass. *55
F. STEAM HEATING APPARATUS.	Baker & Smith Co., 81 Jackson St., Chicago, Ill.
	Baker, Smith & Co., 81 W. Houston St., New York.
	Edward P. Bates, Syracuse, N. Y.
	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.
	John Best, Lancaster, Pa. *150
	Braman, Dow & Co., 3 Haymarket Sq., Boston, Mass.
	Exeter Machine Works, Exeter, N. H.
	Ferguson Boiler Co., Albany, N. Y.
	Fuller & Warren Co., Troy, N. Y.
	A. A. Griffing Iron Co., Jersey City, N. J.
	Herendeen Mfg. Co., Geneva, N. Y.
	A. L. Ide & Son, Springfield, Ill.
	New York Central Iron Works, Geneva, N. Y.
	Richmond Stove Co., Norwich, Conn.
	Silsby Mfg. Co., Seneca Falls, N. Y.
	H. B. Smith Co., Westfield, Mass. *55
	Wainwright Mfg. Co., of Mass., 8 Oliver St., Boston, Mass.
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
	Western Engine Co., Painted Post, N. Y.
	Whittier Machine Co., 1176 Tremont St., Boston, Mass.
	Williams Bros., Ithaca, N. Y.
	Zehm & Bro., Kutztown, Pa.
G. STEAM HEATING & VENTILATING APPARATUS.	Bartlett, Hayward & Co., Baltimore, Md.
	A. A. Griffing Iron Co., Jersey City, N. J.
	Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
	E. Rutzler, 178 Centre St., New York.
	M. A. Ryan, 66 E. 88th St., New York.
	H. B. Smith Co., Westfield, Mass. *55

616. KILNS.

A. BONE BLACK KILNS.	Deeley & Co., 507 W. 32d St., New York.
B. BRICK KILNS.	Continuous Kiln Co., Omaha, Neb.

	F. L. Hall, Oneida. N. Y.
C. DRYING KILNS.	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
D. HOT BLAST DRY KILN APPARATUS.	Boston Blower Co., Hyde Park, Mass.
	Huyett & Smith Mfg. Co., Detroit, Mich.
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
E. ROASTING KILNS.	Dickson Mfg. Co., Scranton, Pa.
F. TILE KILNS.	F. L. Hall, Oneida, N. Y.
617. KINDLING WOOD.	W. A. Allen, Jersey City, N. J.
	Clark & Wilkins, West cor. W. 11th St., New York.
	C. Daly, 570 W. 34th St., New York.
	Hessman & Finck, 174 Bank St., New York.
618. LININGS, HEATING APPARATUS.	
A. CUPOLA BLOCKS.	Adams Laundry Machinery Co., Troy, N. Y.
	Somerset Potters Works, Somerset, Mass.
	Standard Gas Retort & Fire Brick Co., Ironton, O.
B. CYLINDER BRICKS.	Dighton Stove Lining Co , Dighton, Mass.
	Somerset Potters Works, Somerset, Mass.
C. FIRE BRICK LININGS.	French & Winslow, Taunton, Mass.
	Presbrey Stove Lining Co., Taunton, Mass.
	Somerset Potters Works, Somerset, Mass.
D. FURNACE BRICKS.	Adams Laundry Machinery Co., Troy, N. Y.
	Park Fire Clay Co., Freedom, Pa.
	Presbrey Stove Lining Co., Taunton, Mass.
	Somerset Potters Works, Somerset, Mass.
	Welch, Gloninger & Maxwell, Pittsburgh, Pa.
E. GRATE LININGS.	Birmingham Fire Brick Works, Birmingham, Ala.
	Presbrey Stove Lining Co., Taunton, Mass.
	Somerset Potters Works, Somerset, Mass.
F. STOVE LININGS.	Dighton Stove Lining Co., Dighton, Mass.
	Freeport Hardware Mfg. Co., Freeport, Ill.
	McLeod & Henry Co., Troy, N. Y.
	Newton & Co., Albany, N. Y.
	Presbrey Stove Lining Co., Taunton, Mass.
	Somerset Potters Works, Somerset, Mass.
	Taunton Stove Lining Co., Taunton, Mass.
	Union Stove Lining Co., Taunton, Mass.
G. STOVE LININGS, ASBESTOS.	Adams Laundry Machinery Co., Troy, N. Y.
	Asbestos Packing Co., 169 Congress St., Boston, Mass.
	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
619. OIL BURNERS, FUEL.	Aerated Fuel Co., Springfield, Mass.
	Racine Hardware Mfg. Co., Racine, Wis.
620. OVENS.	G. S. Blodgett & Co., Burlington, Vt.
	Bramhall, Deane & Co., 264 Water St., New York.
	McDowell Oven & Furnace Co., 121 Haverhill St., Boston, Mass.
A. COMBINATION PORTABLE OVENS & ROASTERS.	Adam Reid, 119 Main St., Buffalo, N. Y.
	Thos. Finnegan, N. Amherst, O.
B. MECHANICAL OVENS.	J. W. Ruger & Co., Buffalo, N, Y.
C. OIL STOVE OVENS.	Central Oil Stove Co., Florence, Mass.
D. ORE ROASTING OVENS.	Dickson Mfg. Co., Scranton, Pa.
	Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
E. PORTABLE OVENS.	E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
621. RADIATORS.	
A. CAST IRON RADIATORS.	Curtis & Co., Cohoes, N. Y.
	A. A. Griffing Iron Co., Jersey City, N. J.
	Hardwicke & Ware, Buffalo, N. Y.
	Ingalls & Kendricken, 80 Sudbury St., Boston, Mass.
	H. B. Smith Co., Westfield, Mass. *55
	Somersworth Western Mfg. Co , Bloomington, Ill.
B. HOT WATER RADIATORS.	Baker & Smith Co., 81 Jackson St., Chicago, Ill.
	Cobb Heating Co., 23 W. Lake St., Chicago, Ill.
	Detroit Heating & Lighting Co., Detroit, Mich.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Exeter Machine Works, Exeter, N. H.
	A. A. Griffing Iron Co., Jersey City, N. J.
	Gurney Hot Water Heater Co., 163 Franklin St., Boston, Mass.
	Prox & Brinkman Mfg. Co., Terre Haute, Ind.
	H. B. Smith Co., Westfield, Mass. *55
	Somersworth Western Mfg Co., Bloomington, Ill.
C. PIN RADIATORS.	A. A. Griffing Iron Co., Jersey City, N. J.
	Ingalls & Kendricken, 80 Sudbury St., Boston, Mass.
	H. B. Smith Co., Westfield, Mass. *55
	E. C. Stearns & Co., Syracuse, N. Y.
D. SHEET IRON RADIATORS.	New Haven Steam Heating Co., New Haven, Conn.
E. STEAM RADIATORS.	Baker & Smith Co., 81 Jackson St., Chicago, Ill.
	Broomel, Schmidt & Co., York, Pa.

Wilmot Castle & Co., Rochester, N. Y.
Cobb Heating Co., 23 W. Lake St., Chicago, Ill.
Crane Co., Omaha, Neb.
Detroit Lubricator Co., Detroit, Mich.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Exeter Machine Works, Exeter, N. H.
A. A. Griffing Iron Co., Jersey City, N. J.
Michigan Radiator & Iron Mfg. Co., Detroit, Mich.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
H. B. Smith Co., Westfield, Mass. *55
Somersworth Western Mfg. Co., Bloomington, Ill.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

F. VERTICAL TUBE RADIATORS.

A. A. Griffing Iron Co., Jersey City, N. J.
Ingalls & Kendricken, 80 Sudbury St., Boston, Mass.
Nason Mfg. Co., 71 Beekman St., New York.
Somersworth Western Mfg. Co., Bloomington, Ill.

622. RADIATOR FLOOR PLATES.

Belknap Mfg. Co., Bridgeport, Conn.
A. A. Griffiing Iron Co., Jersey City, N. J.

A. RADIATOR ELBOWS.

Belknap Mfg. Co., Bridgeport, Conn.

623. RANGES.

Abendroth Bros., 109 Beekman St., New York.
Barstow Stove Co., Providence, R. I.
P. D. Beckwith, Dowagiac, Mich.
Belleville Stove Works, Belleville, Ill.
Bissell & Co., 715 Liberty Av., Pittsburgh, Pa.
Boynton Furnace Co., 207 Water St., New York.
Bramhall, Deane & Co., 264 Water St., New York.
Brand Stove Co., Milwaukee, Wis.
Buckwalter Stove Co., Royersford, Pa.
Burdett, Smith & Co., Troy, N. Y.
Chicago & Erie Stove Co., Erie, Pa.
Chicago Stove Wks., Blue Island Av. c. W. 22d St., Chicago, Ill.
Collins & Burgie, 201 S. Clinton St., Chicago, Ill.
Co-operative Foundry Co., Rochester, N. Y.
J. B. & J. M. Cornell, 141 Centre St., New York.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
Cutler & Proctor Stove Co., Peoria, Ill.
Detroit Stove Works, Detroit, Mich.
Diller, Caskey & Co., N. 6th & Berk Sts., Philadelphia, Pa.
H. P. Dixon & Co., 1330 Chestnut St., Philadelphia, Pa.
Duncan & Masters, Kansas City, Mo.
Ely & Ramsay, 247 Water St., New York.
A. B. Fales, Troy, N. Y.
Favorite Stove & Range Co., Piqua, O.
Wm. G. Fischer Mfg. Co., 25 W. 5th St., Cincinnati, O.
Fuller & Warren Co., Troy, N. Y.
Graff & Co., Pittsburgh, Pa.
W. H. Harrison & Bro., 1435 Chestnut St., Philadelphia, Pa.
Highlands Foundry Co., 139 Pynchon St., Boston, Mass.
Sherman S. Jewett & Co., Buffalo, N. Y.
Joy Steel Range Co., Kansas City, Mo.
F. & L. Kahn & Bros., Hamilton, O.
Lebanon Stove Works, Lebanon, Pa.
Liebrandt & McDowell Stove Co., Philadelphia, Pa.
Littlefield Stove Co., Albany, N. Y.
Magee Furnace Co., 30 Union St., Boston, Mass.
Michigan Stove Co., Detroit, Mich.
W. Miller Range & Furnace Co., 9 W. 5th St., Cincinnati, O.
J. L. Mott Iron Works, 90 Beekman St., New York.
Mount Penn Stove Works, Reading, Pa.
Northwestern Stove Works, Minneapolis, Minn.
Pittston Stove Co., Pittston, Pa.
J. S. & M. Peckham, Utica, N. Y.
Rathbone, Sard & Co., Albany, N. Y.
Redway & Burton, Richmond & Harriet Sts., Cincinnati, O.
Richardson & Boynton Co., 232 Water St., New York.
Richmond Stove Co., Norwich, Conn.
I. A. Sheppard & Co., 4th & Montgomery Avs., Philadelphia, Pa.
Simonds Mfg. Co., 50 Cliff St., New York.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
Smith & Anthony Stove Co., 48 Union St., Boston, Mass.
Jas. Spear Stove & Heating Co., 1014 Market St., Phila., Pa.
Stuart & Petersen Co., Noble & Broad Sts., Philadelphia, Pa.
Taplin, Rice & Co., Akron, O.
Union Stove Works, 70 Beekman St., New York.

John Van Range Co., 169 Elm St., Cincinnati, O.
J. Van Wormer & Co., Albany, N. Y.
Weir Stove Co., Taunton, Mass.
Russel Wheeler, Son & Co., Utica, N. Y.
J. Woodruff & Sons, Salem, O.
Wrought Iron Range Co., 1901 Washington Av., St. Louis, Mo.
Yeager & Hunter, Spring City, Pa.

A. GAS RANGES.
American Meter Co., 177 Elm St., Cincinnati, O.
F. & H. Born, Cleveland, O.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Sheldon Mfg. Co., 18 W. 23d St., New York.

B. HOTEL RANGES.
Bramhall, Deane & Co., 264 Water St., New York.
Chicago & Erie Stove Co., Erie, Pa.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Wm. G. Fischer Mfg. Co., 25 W. 5th St., Cincinnati, O.
Northwesthern Stove Works, Minneapolis, Minn.
Rubel & Co., 114 Lake St., Chicago, Ill.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
Horace E. Walker & Co., 17 Union St., Boston, Mass.

C. OIL STOVE RANGES.
Central Oil Stove Co., Florence, Mass.

624. REGISTERS, HOT AIR.

A. M. Bristol, Rochester, N. Y.
Buffalo Register Works, Buffalo, N. Y.
W. G. Creamer & Co., 96 John St., New York.
A. A. Griffing Iron Co., Jersey City, N. J.
Wm. Highton & Sons, 55 Charleston St., Boston, Mass.
Morrison & Rogers, Britt, Iowa.
Mount Penn Stove Works, Reading, Pa.
Geo. N. Pierce & Co., Buffalo, N. Y.
Reading Hardware Co., Reading, Pa.
Simonds Mfg. Co., 50 Cliff St., New York.
E. C. Stearns & Co., Syracuse, N. Y.
Tuttle & Bailey Mfg. Co., 83 Beekman St., New York.
Unadilla Machine Co., Unadilla, N. Y.

625. RETORTS.

Fulton Iron Works, San Francisco, Cal.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
Portland Co., Portland, Me.
H. A. Ross & Co., 1438 N. 6th St., Philadelphia, Pa.

A. CANNING RETORTS.
Buffalo Steam Engine Works, Buffalo, N. Y.
Jas. Gardner, Jr., Pittsburgh, Pa.
B. Kreischer & Sons, 132 Mangin St., New York.
Laclede Fire Brick Mfg. Co., 901 Pine St., St. Louis, Mo.
Parker-Russell Mining & Mfg. Co., 407 N. Broadway, St. Louis, Mo.
Adam Weber, 633 E. 15th St., New York.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

B. CAST IRON RETORTS.
Warren Foundry & Machine Co., Phillipsburgh, N. J.

C. CHEMICAL RETORTS.
H. G. Front & Co., Buffalo, N. Y.

D. CLAY RETORTS.
Baltimore Retort & Fire Brick Co., Baltimore, Md.
Borgner & O'Brien, N. 23d & Race Sts., Philadelphia, Pa.
J. H. Gautier & Co., Jersey City, N. J.
B. Kreischer & Sons, 132 Mangin St., New York.
Edward D. White & Co., 88 Vandyke St., Brooklyn, N. Y.

E. GAS RETORTS.
Arcade Malleable Iron Co., Worcester, Mass.
Bartlett Haywood & Co., Baltimore, Md.
Denver Fire Clay Co., Denver, Col.

F. SELF-SEALING RETORT LIDS.
Continental Iron Works, Calyer cor. West Sts., Brooklyn, N. Y.

626. STOVES.

Abendroth Bros., 109 Beekman St., New York.
Baldwin & Graham, Pittsburgh, Pa.
Barstow Stove Co., Providence, R. I.
Baxter Stove Co., Mansfield, O.
Jos. Bell Stove Co., Wheeling, W. Va.
Belleville Stove Works, Belleville, Ill.
E. Bement & Sons, Lansing, Mich.
Bergstrom Bros. & Co., Neenah, Wis.
B. C. Bibb Stove Co., Baltimore, Md.
Bissell & Co., Pittsburgh, Pa.
C. T. Boal Stove Co., 245 Kinzie St., Chicago, Ill.
Bonnet & Nance Stove Co., Quincy, Ill.
Alex. Bradley & Co., Pittsburgh, Pa.
Bridge & Beach Mfg. Co., 501 S. Main St., St. Louis, Mo.
Buck's Stove & Range Co., 3500 N. 2d St., St. Louis, Mo.
Buckwalter Stove Co., Royersford, Pa.
Buda Foundry & Mfg. Co., Buda, Ill.
Burdett, Smith & Co., Troy, N. Y.
Chamberlain Stove Co., 119 Hunt St., Cincinnati, O.
Channon-Emery Stove Co., Quincy, Ill.

S. Cheney & Son, Manlius, N. Y.
Chicago & Erie Stove Co., Erie, Pa.
Geo. M. Clark & Co., 157 Superior St., Chicago, Ill.
Chas. E. Clark, 235 Newberry Av., Chicago, Ill.
Cleveland Co-operative Stove Co., Cleveland, O.
Collins & Burgie Co., 261 S. Clinton St , Chicago, Ill.
Comstock Castle Stove Co., Quincy, Ill.
Co-operative Foundry Co., Rochester, N. Y.
J. B. & J. M. Cornell, 141 Centre St., New York.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Crea, Graham & Co., Pittsburgh, Pa.
Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
Danville Stove Mfg. Co., Danville, Pa.
DeHaven & Co., Allegheny, Pa.
Detroit Stove Works, Detroit, Mich.
Duncan & Masters, Kansas City, Mo.
Ely & Ramsay, 247 Water St., New York.
C. Emrich, Columbus, O.
Excelsior Mfg. Co., 612 N. Main St., St. Louis, Mo.
A. B. Fales, Troy, N. Y.
B. Fisher & Son, Wheeling, W. Va.
Fuller & Warren Co., Troy, N. Y.
Graff & Co., Pittsburgh, Pa.
Great Western Stove Co., Leavenworth, Kan.
M. Hertenstein & Co., Columbus, O.
Hess, Snyder & Co., Massillon, O.
Highland Foundry Co., 139 Pynchon St., Boston, Mass.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Indiana Stove Works, Evansville, Ind.
Sherman S. Jewett & Co., Buffalo, N. Y.
Kent & Stuchfield, Denver, Col.
Leibrandt-McDowell Stove Co., Baltimore, Md.
Lithgow Mfg. Co., Louisville, Ky. *56
Littlefield Stove Co., Albany, N. Y.
Magee Furnace Co., 30 Union St., Boston, Mass.
Mason & Davis Co., 72 Lake St., Chicago, Ill.
Michigan Stove Co., Detroit, Mich.
W. W. Montague Co., San Francisco, Cal.
J. L. Mott Iron Works, 90 Beekman St., New York.
Mount Penn Stove Works, Reading, Pa.
Eugene Munsell & Co., 218 Water St., New York.
Northern Stove Works, Minneapolis, Minn.
Daniel E. Paris & Co., Troy, N. Y.
J. S. & M. Peckham, Utica, N. Y.
Peninsular Stove Co., 79 Wabash Av., Chicago, Ill.
Perry Stove Co., Albany, N. Y.
Phillips & Clark Stove Co., Geneva, N. Y.
Pittston Stove Co., Pittston, Pa.
Portland Stove Foundry Co., Portland, Me.
Rathborne, Sard & Co., Albany, N. Y.
Redway & Burton, Richmond & Harriet Sts., Cincinnati, O.
Wm. Resor & Co., East side of State Av., Cincinnati, O.
J. H. Roelker & Co., Evansville, Ind.
Scanlon & Co., Louisville, Ky.
I. A. Sheppard & Co., 4th St. & Montgomery Av., Phila., Pa.
Shinnick, Woodside & Gibbons Mfg. Co., Zanesville, O.
Sill Stove Works, Rochester, N. Y.
Silsby Stove Co., Springfield, Mo.
Southern Stove Works, Evansville, Ind.
Southard, Robertson & Co., 21 Peck Slip, New York.
Jas. Spear Stone & Heating Co., 1014 Market St., Phila., Pa.
Spicers & Peckham, Providence, R. I.
Stratton & Terstegge, Louisville, Ky.
Geo. W. Swett & Son, Troy, N. Y.
Swinton, Van Etten & Co., Port Jervis, N. Y.
Taplin, Rice & Co., Akron, O.
Townley Stove Co., Terre Haute, Ind.
Union Stove Works, 70 Beekman St., New York.
Union S. & M. Co., Leavenworth, Kan.
J. Van Wormer & Co., Albany, N. Y.
Victor Stove Co., Salem, O.
Weir Stove Co., Taunton, Mass.
A. Weiskitel & Son, Baltimore, Md.
Western Stove Mfg., 1118 Olive St., St. Louis, Mo.
H. Wetter Mfg. Co., Memphis, Tenn.
Wood & Bishop, Bangor, Me.

	Thos. White Stove Co., Quincy, Ill.
	Yeager & Hunter Spring City Stove Works, Spring City, Pa.
A. BRASS F'NDR'S' STOVES.	S. Obermayer F. S. Mfg. Co., Evans St., S. of 8th St., Cin., O. *54
B. DAIRY STOVES.	Detroit Stove Works, 1320 Jefferson Av.; Detroit, Mich.
	Fuller & Warren Co., Troy, N. Y.
	Indiana Stove Works, Evansville, Ind.
	Lithgow Mfg. Co., Louisville, Ky. *56
	J. S. & M. Peckham, Utica, N. Y.
	Rathbone, Sard & Co., Albany, N. Y.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
C. CHARCOAL STOVES.	Lithgow Mfg. Co., Louisville, Ky. *56
D. FARMERS' STOVES.	Avery Planter Co., Peoria, Ill.
	Indiana Stove Works, Evansville, Ind.
	Lithgow Mfg. Co., Louisville, Ky. *56
	Rathbone, Sard & Co., Albany, N. Y.
E. GAS STOVES.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
	American Meter Co., 177 Elm St., Cincinnati, O.
	American Gas Furnace Co., Elizabeth, N. J.
	A. L. Bogart, 22 Union Sq., New York.
	Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
	Central Oil Stove Co., Florence, Mass.
	Geo. M. Clark & Co., 157 Superior St., Chicago, Ill.
	Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
	Detroit Heating & Lighting Co., Detroit, Mich.
	Gas Retort Stove Co., Providence, R. I.
	Goodwin Gas Stove & Meter Co., 629 Arch St., Philadelphia, Pa.
	F. & L. Kahn & Bros., Hamilton, O.
	Eugene Munsell & Co , 218 Water St., New York.
	Perry Stove Co., Albany, N. Y.
	Rubel & Co., 114 Lake St., Chicago, Ill.
	Sheldon Mfg. Co., 18 W. 23d St., New York.
	Union Gas & Oil Stove Co., 406 Pearl St., New York.
F. HOT BLAST STOVES.	Abram Cox Stove Co., 154 N. 2d St., Philadelphia, Pa.
	Detroit Stove Works, 1320 Jefferson Av., Detroit, Mich.
	Gordon, Strobel & Laureau, Ltd., Mifflin & Meadow Sts., Phila., Pa.
	W. B. Pollock & Co., Youngstown, O.
	Jas. P. Witherow, Pittsburgh, Pa.
G. LAUNDRY STOVES.	Belleville Stove Works, Belleville, Ill.
	Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
	Detroit Stove Works, 1320 Jefferson Av., Detroit, Mich.
	Ely & Ramsay, 247 Water St., New York.
	Fuller & Warren Co., Troy, N. Y.
	F. & L. Kahn & Bros., Hamilton, O.
	Lithgow Mfg. Co., Louisville, Ky. *56
	M. Mahoney, Troy, N. Y.
	Eugene Munsell & Co., 218 Water St., New York.
	Isaac A. Sheppard & Co., 4th St. & Montgomery Av., Phila., Pa.
	Geo. W. Swett & Son, Troy, N. Y.
	Union Stove Works, 70 Beekman St., New York.
	Horace E. Walker & Co., 17 Union St., Boston, Mass.
H. OIL STOVES.	Abendroth Bros., 109 Beekman St., New York.
	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
	Barstow Stove Co., Providence, R. I.
	Central Oil Stove Co., Florence, Mass.
	Geo. Chase, 388 E. 107th St., New York.
	Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
	R. E. Dietz Co., 60 Laight St., New York.
	Ely & Ramsay, 247 Water St., New York.
	Fuller & Warren Co., Troy, N. Y.
	Hoyt & Wynkoop, Troy, N. Y.
	Magee Furnace Co., 30 Union St., Boston, Mass.
	Michigan Stove Co., Detroit, Mich.
	Monitor Oil Stove Co., Cleveland, O.
	Eugene Munsell & Co., 218 Water St., New York.
	Perry Stove Co., Albany, N. Y.
	Rathbone, Sard & Co., Albany, N. Y.
	Geo. H. Swett & Co., Troy, N. Y.
	Taylor & Boggis Foundry Co., Cleveland, O.
	Union Stove Works, 70 Beekman St., New York.
	Union Gas & Oil Stove Co., 406 Pearl St., New York.
	Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.
I. OIL STOVES, CHEMISTS'.	Central Oil Stove Co., Florence, Mass.
J. OIL LAMP STOVES.	Central Oil Stove Co., Florence, Mass.
	Wellington Mfg. Co., 468 Cherry St., New York.
K. OPEN GRATE STOVES.	Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
	Detroit Stove Works, 1320 Jefferson Av., Detroit, Mich.

Fuller & Warren Co., Troy, N. Y.
Magee Furnace Co., 30 Union St., Boston, Mass.

L. PARLOR STOVES.
P. D. Beckwith, Dowagiac, Mich.
Burdett, Smith & Co., Troy, N. Y.
Chicago Stove Works, Blue Island Av. & W. 22d St., Chicago, Ill.
Chicago & Erie Stove Co., Erie, Pa.
Collins & Burgis, 261 S. Clinton St., Chicago, Ill.
Culter & Proctor Stove Co., Peoria, Ill.
Detroit Stove Works, Detroit, Mich.
Ely & Ramsay Co., 247 Water St., New York.
Favorite Stove & Range Co., Piqua, O.
Fuller & Warren Co., Troy, N. Y.
Highland Foundry Co., Boston Highlands, Mass.
Liebrandt & McDowell Stove Co., Philadelphia, Pa.
Littlefield Stove Co., Albany, N. Y.
Magee Furnace Co., 30 Union St., Boston, Mass.
Michigan Stove Co., Detroit, Mich.
Eugene Munsell & Co., 218 Water St., New York.
Northwestern Stove Works, Minneapolis, Minn.
J. S. & M. Peckham, Utica, N. Y.
Peninsula Stove Co., 79 Wabash Av., Chicago, Ill.
Rathbone, Sard & Co., Albany, N. Y.
Richardson & Boynton Co., 232 Water St., New York.
Richmond Stove Co., Norwich, Conn.
Geo. W. Swett & Son, Troy, N. Y.
Union Stove Works, 70 Beekman St., New York.
Weir Stove Co., Taunton, Mass.

M. POCKET ALCOHOL STOVES.
Thos. W. Houchin, 67 Park Place, New York.

N. TILE STOVES.
Low Art Tile Co., Chelsea, Mass.

O. VAPOR STOVES.
Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
American Vapor Stove Co., Decatur, Ill.
Geo. M. Clark & Co., 157 Superior St., Chicago, Ill.
Consolidated Vapor Stove Co., Cleveland, O.
Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
Gilbert & Barker Mfg. Co., Springfield, Mass.
M. Mahoney, Troy, N. Y.
Eugene Munsell & Co., 218 Water St., New York.
Perry Stove Co., Albany, N. Y.
Rathbone, Sard & Co., Albany, N. Y.
Ringer Stove Co., 414 N. Broadway, St. Louis, Mo.
Taylor & Boggis Foundry Co., Cleveland, O.
Wellington Mfg. Co., 468 Cherry St., New York.

P. WOOD STOVES.
Baxter Stove Mfg. Co., Birmingham, Ala.
Belleville Stove Works, Belleville, Ill.
Bergstrom Bros. & Co., Neenah, Wis.
Buda Foundry & Mfg. Co., Buda, Ill.
Chicago & Erie Stove Co., Erie, N. Y.
Cleveland Co-operative Stove Co., Cleveland, O.
Abram Cox Stove Co., 144 N. 2d St., Philadelphia, Pa.
Collins & Burgie, 261 S. Clinton St., Chicago, Ill.
Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
Detroit Stove Works, Detroit, Mich.
A. B. Fales, Troy, N. Y.
Fuller & Warren Co., Troy, N. Y.
Indiana Stove Works, Evansville, Ind.
F. & L. Kahn & Bros., Hamilton, O.
Littlefield Stove Co., Albany, N. Y.
Lithgow Mfg. Co., Louisville, Ky. *56
Magee Furnace Co., 30 Union St., Boston, Mass.
Michigan Stove Co., Detroit, Mich.
Eugene Munsell & Co., 218 Water St., New York.
Peninsular Stove Co., 79 Wabash Av., Chicago, Ill.
Rathbone, Sard & Co., Albany, N. Y.
Richmond Stove Co., Norwich, Conn.
Isaac A. Sheppard & Co., 14th St. & Montg'y Av., Phila., Pa.
Geo. W. Swett & Son, Troy, N. Y.
Weir Stove Co., Taunton, Mass.

627. STOVE BOARDS.
Adams & Westlake Co., Ontario cor. N. Franklin Sts., Chicago, Ill.
American Stove Board Co., 206 Water St., New York.
Matthiesson & Hegeler Zinc Co., La Salle, Ill.
Palmer Mfg. Co., 290 Pearl St, New York.
H. Rendtorff & Co., 16 Lake St., Chicago, Ill.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

628. STOVE LID LIFTERS.
Chalfant Mfg. Co., Atglen, Pa.
Greene & Mallett, Troy, N. Y.

Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Highland Foundry Co., 139 Pynchon, Boston, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lithgow Mfg. Co., Louisville, Ky. *56
Patton Mfg. Co., Columbus, O.
John Savery's Son & Co., 97 Beekman St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Schenck's Adj. Fire Back Co., 94 Market St., Chicago, Ill.
Shepard Hardware Co., Buffalo, N. Y.
Stover Mfg. Co., Freeport, Ill.

629. STOVE PIPE.
Budke Mfg. Co., 421 Wood St., Pittsburgh, Pa.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
A. I. Griggs, 211 Water St., New York.
Moorehead-McCleane Co., Pittsburgh, Pa.
Union Gas & Oil Stove Co., 406 Pearl St., New York.

A. FIRE CLAY STOVE PIPE.
Montague & Co., Chattanooga, Tenn.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.

630. STOVE PIPE COLLARS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Haslet, Flanagan & Co., 116 N. 2d St., Philadelphia, Pa.
Palmer Mfg. Co., 290 Pearl St., New York.
Safety Stove Pipe Collar Co., Wadsworth, O.

A. BRASS STOVE PIPE COLLARS.
Ansonia Brass & Copper Co., Ansonia, Conn. *211

631. STOVE PIPE ELBOWS.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Detroit Elbow Co., Detroit, Mich.
F. & L. Kahn & Bros., Hamilton, O.
N. Y. Elbow Co., 18 Cliff St., New York.
Sidney Shepard & Co., Buffalo, N. Y.

A. ADJUSTABLE ELBOWS.
Sargent, Greenleaf & Brooks, 43 Franklin St., Chicago, Ill.

B. CORRUGATED ELBOWS.
Corrugated Elbow Co., Gano & St. Clair Sts., Cincinnati, O.
Lamb & Ritchie, Cambridgeport, Mass.

632. STOVE PIPE THIMBLES.
E. C. Stearns & Co., Syracuse, N. Y.
Troy Stamping Works, Troy, N. Y.

633. STOVE POKERS.
Elmwood Tool Co., Providence, R. I.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Greene & Mallett, Troy, N. Y.
Jas. L. Haven & Co., 56 Plum St., Cincinnati, O.
Matthews & Willard Co., Waterbury, Conn.
John Savery's Sons & Co., 97 Beekman St., New York.
Wheeling Hinge Co., Wheeling, W. Va.
Wire Goods Co., Worcester, Mass.

634. WOOD HOLDERS.

A. BRASS WOOD HOLDERS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
W. H. Jackson & Co., 29 E. 17th St., New York.
Palmer Mfg. Co., 290 Pearl St., New York.
Pittsburgh Brass Co., Pittsburgh, Pa.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. RATTAN WOOD HOLDERS.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

XIX. HORSE GOODS AND SADDLERY.

635. BITS, BRIDLE.
Jos. Baldwin & Co., Newark, N. J.
Elbel & Co., Canton, O.
Frazer & Jones Co., Syracuse, N. Y.
P. Hayden, Newark, N. J.
H. W. Minnemeyer & Co., Pittsburgh, Pa.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable Wrought Iron Co., Racine, Wis.
Sargeant Mfg. Co., Newark, N. J.
Chas. M. Theberath, Newark, N. J.

A. CURB BITS.
W. & E. T. Fitch, New Haven, Conn.
P. Hayden, Newark, N. J.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable Wrought Iron Co., Racine, Wis.

B. RUBBER BITS.
O. B. North & Co., New Haven, Conn.

C. SAFETY BRIDLE BITS.
Chandler & Washburn, 30 Kilby St., Boston, Mass.

D. SNAFFLE BITS.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.

636. BLINDS, HARNESS.
Frazer & Jones Co., Syracuse, N. Y.
Gilliam Mfg. Co., Canton, O. *16
F. C. Kimball Mfg. Co., Cleveland, O.
Meriden Saddlery & Leather Co., Meriden, Conn.
Perforated Pad Co., Woonsocket, R. I.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery & Harness Co., 501 Main St., St. Louis, Mo.
Sole Leather Pad Co., Olean, N. Y.
Steele & Hovey Mfg. Co., Jackson, Mich.

637. BREECHING LOOPS.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Chas. M. Theberath, Newark, N. J.

638. BRIDLES.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
P. Hayden Saddlery Hardware Co., 510 Main St., St. Louis, Mo.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Wm. Homann Saddlery Co., 716 N. 4th St., St. Louis, Mo.
Meriden Saddlery & Leather Co., Meriden, Conn.
Meyer, Bannermann & Co., 6th St. & Lucas Av., St. Louis, Mo.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery & Harness Co., 501 Main St., St. Louis, Mo.
Rock City Saddlery Co., Nashville, Tenn.
J. B. Schott Saddlery Co., Quincy, Ill.
Whitman Saddle Co., Newark, N. J.

A. BRIDLE CHECKS.
Meriden Saddlery & Leather Co., Meriden, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

B. BRIDLE FRONTS.
Frazer & Jones Co., Syracuse, N. Y.
Meriden Saddlery & Leather Co., Meriden, Conn.
Steele & Hovey Mfg. Co., Jackson, Mich.
Chas. M. Theberath, Newark, N. J.

C. BRIDLES, RIDING.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
A. Hayden Saddlery Hardware Co., 51 N. Main St., St. Louis, Mo.
Wm. Homann Saddlery Co., 716 N. 4th St., St. Louis, Mo.
Meriden Saddlery & Leather Co., Meriden, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
A. J. Peters Saddlery Hardware Co., 501 N. Main St., St. Louis, Mo.

D. BRIDLE ROSETTES.
American Ring Co., Waterbury, Conn.
Grilley Co., New Haven, Conn.
Harbison & Gathright, 707 W. Main St., Louisville, Ky.
Meriden Saddlery & Leather Co., Meriden, Conn.
Nashville Saddlery Co., Nashville, Tenn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Plume & Atwood Mfg. Co., Waterbury, Conn.
Chas. M. Theberath, Newark, N. J.

639. BUCKLES, HARNESS.
W. H. Chapman & Co., Middletown, Conn.
C. Cowles & Co., New Haven, Conn.
W. & E. T. Fitch, New Haven, Conn.
Granite State Plating Co., Manchester, N. H.
S. W. Kent, Meriden, Conn.
Maxwell Co., Rome, N. Y.
Metal Stamping Co., 406 E. 32d St., New York.
H. W. Minnemeyer & Co., Pittsburgh, Pa.
G. D. Mosher, Birmingham, Conn.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Sargeant Mfg. Co., Newark, N. J.
Chas. M. Theberath, Newark, N. J.

640. BUCKLE LOOPS.
American Buckle & Cartridge Co., West Haven, Mass.
Crandall. Stone & Co., Binghamton, N. Y.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

641. BUCKLE SHIELDS.
William Molloy, Great Falls, N. H.

642. CHAINS, HARNESS.
Covert Mfg. Co., W. Troy, N. Y. *17
D. P. Hayden Saddlery Hardware Co., Columbus, O.
Nes Chain Mfg. Co., York, Pa.
John C. Schmidt & Co., York, Pa.

	Chas. M. Theberath, Newark, N. J.	
	Trenton Iron Co., Trenton, N. J.	
	P. Wilson's Sons & Co., 719 W. 6th St., Cincinnati, O.	
A. BREAST CHAINS.	Covert Mfg. Co., W. Troy, N. Y.	*17
	John C. Schmidt & Co., York, Pa.	
B. CART BACK CHAINS.	Covert Mfg. Co., W. Troy, N. Y.	*17
	John C. Schmidt & Co., York, Pa.	
C. DETACHABLE DRIVE CHAINS.	Ewart Mfg. Co., 39th St. & Stewart Av., Chicago, Ill.	
D. HALTER CHAINS.	Bridgeport Chain Co., Bridgeport, Conn.	
	Covert Mfg. Co., W. Troy, N. Y.	*17
	O. S. Judd, New Britain, Conn.	
	Nes Chain Mfg. Co., York, Pa.	
	Oneida Community, Ltd., Community, N. Y.	
	John C. Schmidt & Co., York, Pa.	
	Trenton Iron Co., Trenton, N. J.	
E. HEEL CHAINS.	Covert Mfg. Co., W. Troy, N. Y.	*17
	Nes Chain Mfg. Co., York, Pa.	
	John C. Schmidt & Co., York, Pa.	
F. HITCHING CHAINS.	Bridgeport Chain Co., Bridgeport, Conn.	
	Covert Mfg. Co., W. Troy, N. Y.	*17
	O. S. Judd, New Britain, Conn.	
	Nes Chain Mfg. Co., York, Pa.	
	John C. Schmidt & Co., York, Pa.	
G. REIN CHAINS.	Bridgeport Chain Co., Bridgeport, Conn.	
	Covert Mfg. Co., W. Troy, N. Y.	*17
	John C. Schmidt & Co., York, Pa.	
H. TRACE CHAINS.	Covert Mfg. Co., W. Troy, N. Y.	*17
	Nes Chain Mfg. Co., York, Pa.	
	John C. Schmidt & Co., York, Pa.	
I. WAGON CHAINS.	Baker Chain & Wagon Iron Mfg. Co., Allegheny, Pa.	
	J. B. Carr & Co., Troy, N. Y.	
	Cleveland Hardware Co., Cleveland, O.	
	Nes Chain Mfg. Co., York, Pa.	
	John C. Schmidt & Co., York, Pa.	
	Trenton Iron Co., Trenton, N. J.	
643. CINCHAS.	Gem Hammock & Fly Net Co., Milwaukee, Wis.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
	Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.	
644. CRUPPERS.	Dayton Loop & Crupper Mfg. Co., Dayton, O.	
	Meriden Saddlery & Leather Co., Meriden, Conn.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
645. CURRY CARDS.	Ells Mfg. Co., Binghamton, N. Y.	
	Sargent & Co., New Haven, Conn.	
	Sweet & Clark Co., Marion, Ind.	
646. CURRY COMBS.	A. & E. Burton & Co., 21 Exchange St., Boston, Mass.	
	W. J. Clark & Co., Salem, O.	*121
	Covert Mfg. Co., W. Troy, N. Y.	*17
	L. M. Devore, Freeport, Ill.	
	Elbell & Co., Canton, O.	
	Ells Mfg. Co., Binghamton, N. Y.	
	J. H. Fenton, 267 Wabash Av., Chicago, Ill.	
	W. & E. T. Fitch, New Haven, Conn.	
	Freeport Hardware Mfg. Co., Freeport, Ill.	
	Edward S. Hotchkiss, Bridgeport, Conn.	
	Keene Mfg. Co., Marlboro, N. H.	
	Wm. P. Kellogg, Troy, N. Y.	
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.	
	Landers, Frary & Clark, New Britain, Conn.	
	Lawrence Curry Comb Co., 309 E. 22d St., New York.	
	Matthews & Willard Mfg. Co., Waterbury, Conn.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Southington Cutlery Co., Southington, Conn.	
	Spring Curry Comb Co., South Bend Ind.	
	Stover Mfg. Co., Freeport, Ill.	
A. MANE COMBS.	Wm. P. Kellogg, Troy, N. Y.	
	Landers, Frary & Clark, New Britain, Conn.	
B. RUBBER CURRY COMBS.	Goodyear Rubber Co., 487 Broadway, New York.	
	Goodrich Hard Rubber Co., Akron, O.	
647. DRESSING, SADDLERY.		
A. CARRIAGE TOP DRESSING.	Frank Miller & Sons, 349 W. 26th St., New York.	*17
	Universal Leather Lacquer Co., Franklin, Mass.	
	L. M. West Mfg. Co., Rockford, Ill.	
B. COLLAR DRESSING.	L. M. West Mfg. Co., Rockford, Ill.	
C. HARNESS DRESSING.	Button & Thurston, 71 Barclay St., New York.	
	Egyptian Chemical Co., 15 Foster's Wharf, Boston, Mass.	

Germania Oil Co., Detroit, Mich.
Martell Blacking Co.. 323 Franklin St., Chicago, Ill.
Frank Miller & Sons, 349 W. 26th St., New York. *17
C. S. Mott, Detroit, Mich.
Prussian Army Oil Mfg. Co., 33 India Wharf, Boston, Mass.
C. C. Richmond & Co., 8 Central Wharf, Boston, Mass.
L. M. West Mfg. Co., Rockford, Ill.
S. A. White, 120 Milk St., Boston, Mass.

D. HARNESS SOAP.
Lovell, Tracy & Co., Hartford, Conn.
Frank Miller & Sons, 349 W. 26th St., New York. *17
L. M. West Mfg. Co., Rockford, Ill.

648. DRIVING REINS.
Covert Mfg. Co., W. Troy, N. Y. *17
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Meriden Saddlery & Leather Co., Meriden, Conn.
Meyer, Bannermann & Co., 6th St. & Lucas Av., St. Louis, Mo.
Peters & Calhoun Co., 33 Warren St., New York. *7

649. HALTERS.
Curtis & Rickerson, Troy, N. Y.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
A. Hayden Saddlery Hardware Co., 510 Main St., St. Louis, Mo.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Wm. Homann Saddlery Co., 716 N. 4th St., St. Louis, Mo.
Maxwell Co., Rome, N. Y.
Meriden Saddlery & Leather Co., Meriden, Conn.
Meyer, Bannermann & Co., 6th St. & Lucas Av., St. Louis, Mo.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery & Hardware Co., 501 Main St., St. Louis, Mo.
Russell Mfg. Co., Middletown, Conn.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Whitman Halter Co., Springfield, Mass.

A. BRIDLE HALTERS.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
J. C. Lighthouse, Rochester, N. Y.
Peters & Calhoun Co., 33 Warren St., New York. *7
Whitman Halter Co., Springfield, Mass.

B. LEATHER HALTERS.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Covert Mfg. Co., W. Troy, N. Y. *17
Curtis & Rickerson, Troy, N. Y.
Fraser & Jones Co., Syracuse, N. Y.
Peters & Calhoun Co., 33 Warren St., New York. *7
Whitman Halter Co., Springfield, Mass.

C. ROPE HALTERS.
Covert Mfg. Co., W. Troy, N. Y. *17
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Gem Hammock & Fly Net Co., Milwaukee, Wis.
Peters & Calhoun Co., 33 Warren St., New York. *7

D. WEB HALTERS.
E. & H. Barnard, Rome, N. Y.
Covert Mfg. Co., W. Troy, N. Y. *17
Curtis & Rickerson, Troy, N. Y.
Peters & Calhoun Co., 33 Warren St., New York. *7
Whitman Halter Co., Springfield, Mass.

650. HALTER TRIMMINGS.
Covert Mfg. Co., W. Troy, N. Y. *17
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Chas. M. Theberath, Newark, N. J.

A. HALTER CLIPS.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

651. HAMES.
Baker, Carr & Co., Andover, N. H.
Berry Mfg. Co., 30 Hawley St., Boston, Mass.
Chas. E. Berry, Cambridge, Mass.
A. A. Boyd, Auburn, N. Y.
Elbel & Co., Canton, O.
Granite Hame Works, Sunapee, N. H.
P. Hayden, Newark, N. J.
Maxwell Co., Rome, N. Y.
Nixdorff-Krein Mfg. Co., 900 Howard St., St. Louis, Mo.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Sargeant Mfg. Co., Newark, N. J.
Chas. M. Theberath, Newark, N. J.
Wm. Wilcox Mfg. Co., Middletown, Conn.
George Wise, Jeddo, Pa.

A. HAME BOLTS.
O. B. North & Co., New Haven, Conn.

B. HAME CLIPS.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

C. IRON HAMES.
Frazer & Jones Co., Syracuse, N. Y.
H. W. Minnemeyer & Co., Pittsburgh, Pa.

D. HAME LOOPS.
Pratt & Letchworth, Buffalo, N. Y.

E. HAME RIVETS.
American Screw Co., Providence, R. I.
Atlas Tack Corporation, Sears Building, Boston, Mass.
Grilley Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

F. HAME LOCKETS.
O. B. North & Co., New Haven, Conn.

G. HAME STAPLES.
Pratt & Letchworth, Buffalo, N. Y.

H. HAME STRAPS.
Chicago Rawhide Mfg. Co., 77 Oliver St., Chicago, Ill.
Meriden Saddlery & Leather Co., Meriden, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *-

I. HAME STRAP ATTACHMENTS.
Covert Mfg. Co., West Troy, N. Y. *17
Pratt & Letchworth, Buffalo, N. Y.

J. HAME STRINGS.
Chicago Rawhide Mfg. Co., 77 E. Ohio St., Chicago, Ill.
Page Belting Co., Concord, N. H.

K. HAME TIPS.
Pratt & Letchworth, Buffalo, N. Y.

L. HAME TRIMMINGS.
Pratt & Letchworth, Buffalo, N. Y.

M. HAME TUGS.
Buckeye Hame Tug Co., 12 E. 3d St., Cincinnati, O.
M. Dienhart & Son, Lafayette, Ind.
J. A. Dubuar Mfg. Co., Northville, Mich.
Peters & Calhoun Co., 33 Warren St., New York. *7

N. IRON BOUND HAMES.
Pratt & Letchworth, Buffalo, N. Y.

O. SCOTCH HAMES.
Pratt & Letchworth, Buffalo, N. Y.

P. WOOD HAMES.
R. M. Bingham & Co., Rome, N. Y.
Frazer & Jones Co., Syracuse, N. Y.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
P. Wilson's Son & Co., 719 W. 6th St., Cincinnati, O.

652. HARDWARE SADDLERY.

Akron Hardware Co., Akron, O.
Jos. Baldwin & Co., Newark, N. J.
A. A. Boyd, Auburn, N. Y.
A. Buerman, Newark, N. J.
Chapman Mfg. Co., Meriden, Conn.
W. H. Chapman & Co., Middletown, Conn.
Crane-Cahoone-Barnet Co., Newark, N. J.
Des Moines Saddlery Co., Des Moines, Iowa.
Thos. Devlin & Co., N. 3d St. cor. Lehigh Av., Philadelphia, Pa.
Eberhard Mfg. Co., Cleveland, O.
Elbel & Co., Canton, O.
W. & E. T. Fitch, New Haven, Conn.
Frazer & Jones Co., Syracuse, N. Y.
Gilliam Mfg. Co., Canton, O. *16
P. Hayden, Newark, N. J.
Maxwell & Co., Rome, N. Y.
H. W. Minnemeyer & Co., Pittsburgh, Pa.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Sargeant Mfg. Co., Newark, N. J.
Chas. M. Theberath, Newark, N. J.
Waterbury Mfg. Co., Waterbury, Conn.
Wiener & Co., Newark, N. J.
P. Wilson's Son & Co., 719 W. 6th St., Cincinnati, O.

653. HARNESS.

Henry Aschenback, 71 Warren St., New York.
E. F. Beck & Son, Newark, N. J.
Becker & Wickser, Buffalo, N. Y.
Berry Mfg. Co., 30 Hawley St., Boston, Mass.
R. M. Bingham & Co., Rome, N. Y.
Cortland Harness Mfg. Co., Cortland, N. Y.
Curd & Sinton Mfg. Co., Louisville, Ky.
O. F. Day, Son & Co., Baltimore, Md.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
N. J. Demarest & Co., Newark, N. J.
Des Moines Saddlery Co., Des Moines, Iowa.
M. Dienhart & Son, Lafayette, Ind.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Floyd & Foster, 214 Jefferson Av., Detroit, Mich.
Thos. Godson & Son, Troy, N. Y.
J. F. Goodrich & Co., New Haven, Conn.
Graf, Morsbach & Co., Freeman Av. & Flint St., Cincinnati, O.
Harbison & Gathright, Louisville, Ky.
J. S. Harley, Quakertown, Pa.
P. Hayden Saddlery Hardware Co., 510 Main St., St. Louis, Mo.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Jas. R. Hill & Co., Concord, N. H.
Hitchcock Mfg. Co., Cortland, N. Y.
Holliday & Wyon, Indianapolis, Ind.

Wm. Homann Saddlery Co., 716 N. 4th St., St. Louis, Mo.
Indianapolis Harness Co., Indianapolis, Ind.
Geo. De B. Keim & Co., 610 Market St., Philadelphia, Pa.
King & Co., Owego, N. Y.
D. M. Lane's Sons, 3432 Market St., Philadelphia, Pa.
Lincoln Saddlery Co., Lincoln, Neb.
John W. Lowell, Lancaster, Pa.
Meriden Saddlery & Leather Co., Meriden, Conn.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
Nashville Saddlery Co., Nashville, Tenn.
P. J. Peters Saddlery Hardware Co., 501 N. Main St., St. Louis, Mo.
Peters & Calhoun Co., 33 Warren St., New York. *7
Perkins, Campbell & Co., 214 Broadway, Cincinnati, O.
Rock City Saddlery Co., Nashville, Tenn.
W. D. Rogers, Son & Co., 1007 Chestnut St., Philadelphia, Pa.
T. W. Rounds & Co., 101 N. Maine St., Providence, R. I.
J. B. Schott Saddlery Co., Quincy, Ill.
C. Schumann & Co., 118 Lake St., Chicago, Ill.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Tompkins & Mandeville, Newark, N. J.
Richard Woolley's Sons, 321 Main St., Cincinnati, O.

A. HARNESS COVERING.
Jewell Pad Co., Hartford, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

654. HARNESS MOUNTINGS.
W. & E. T. Fitch, New Haven, Conn.
W. Greacen & Co.. Newark, N. J.
Sargeant Mfg. Co., Newark, N. J.
Chas. M. Theberath, Newark, N. J.
Wiener & Co., Newark, N. J.

A. HARNESS DEES.
P. Hayden, Newark, N. J.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

B. HARNESS EYES.
M. S. Brooks & Sons, Chester, Conn. *98
Landers, Frary & Clark, New Britain, Conn.
O. B. North & Co., New Haven, Conn.

C. HARNESS RINGS.
American Ring Co., Waterbury, Conn.
Goodrich Hard Rubber Co., Akron, O.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

D. HARNESS SPOTS.
American Ring Co., Waterbury, Conn.
Enterprise Mfg. Co., Akron, O.
Walter Greacen & Co., Newark, N. J.
O. B. North & Co., New Haven, Conn.

E. HARNESS STUDS.
M. S. Brooks & Sons, Chester, Conn. *98
Landers, Frary & Clark, New Britain, Conn.
O. B. North & Co., New Haven, Conn.

F. MARTINGALE CHAIN.
P. Hayden, Newark, N. J.

G. MARTINGALE RINGS.
Arlington Mfg. Co., 392 Broadway, New York.
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Wilcox & Howe Co., Birmingham, Conn.

H. RUBBER HARNESS RINGS.
India Rubber Comb Co., 9 Mercer St., New York.
Rubber & Celluloid Harness Trimming Co., Newark, N. J.

655. HARNESS ORNAMENTS.
American Ring Co., Waterbury, Conn.
Covert Mfg. Co., W. Troy, N. Y. *17
Enterprise Mfg. Co., Akron, O.
Matthews & Willard Co., Waterbury, Conn.
Plume & Atwood Mfg. Co., Waterbury Conn.
Steele & Hovey Mfg. Co., Jackson, Mich.

A. HARNESS MONOGRAMS.
Dunn & Wilson, 151 Fulton St., New York.
Enterprise Mfg. Co., Akron, O.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Walter Greacen & Co., Newark, N. J.
Steele & Hovey Mfg. Co., Jackson, Mich.
J. V. Waldron & Bros., 54 Cliff St., New York.

B. HARNESS PLUMES.
Barton Bell Co., Marion, Ind.
Chapman Mfg. Co., Meriden, Conn.

C. HARNESS ROSETTES.
Enterprise Mfg. Co., Akron, O.
Walter Greacen & Co., Newark, N. J.
Harphan Bros., Lincoln, Neb.
Peters & Calhoun Co., 33 Warren St., New York. *7

656. HARNESS TRIMMINGS.
Butler & Ward, Newark, N. J.
Crane & Co., Newark, N. J.
Maxwell & Co., Rome, N. Y.
H. W. Minnemeyer & Co., Pittsburgh, Pa.
O. B. North & Co., New Haven, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Pratt & Letchworth, Buffalo, N. Y.

Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Sargeant Mfg. Co., Newark, N. J.
Chas. M. Theberath, Newark, N. J.

657. HITCHING HOOKS, PATENT.

658. HITCHING RINGS.
I. E. Palmer, Middletown, Conn. *65
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
P. & F. Corbin, New Britain, Conn.
O. B. North & Co., New Haven, Conn.
E. C. Stearns & Co., Syracuse, N. Y.

659. HITCHING WEIGHTS.
Covert Mfg. Co , W. Troy, N. Y. *17
Enterprise Mfg. Co., Akron, O.
Hurlbut Mfg. Co., Racine Junction, Wis.
Victor Knecht, 195 Wade St., Cincinnati, O.

660. HOOF CLEANERS.
Humason & Beckley Mfg. Co., New Britain, Conn.
O. S. Judd, New Britain, Conn.
C. S. Osborne & Co., Newark, N. J.

661. HOOF PREPARATION.
J. A. Zibell, 3 Peck Slip., New York.

662. HOOKS, SADDLERY.

A. BOLT HOOKS.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

B. BREECHING HOOKS.
O. B. North & Co., New Haven, Conn.

C. CHECK HOOKS.
C. A. Alden, La Crosse, Wis.
Grilley Co., New Haven, Conn.
Peter Hayden, Newark, N. J.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Steele & Hovey Mfg. Co., Jackson, Mich.
Chas. M. Theberath, Newark, N. J.

D. EXPRESS HOOKS.
Peter Hayden, Newark, N. J.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

E. PAD HOOKS.
Pratt & Letchworth, Buffalo, N. Y.

F. POST HOOKS.
O. B. North & Co.. New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

G. SNAP HOOKS.
Armstrong Mfg. Co., Bridgeport, Conn. *154
M. S. Brooks & Sons, Chester, Conn. *98
Covert Mfg. Co., W. Troy, N. Y. *17
John J. Frye, Portland, Me.
O. B. North & Co., New Haven, Conn.

H. STRAP HOOKS.
M. S. Brooks & Sons, Chester, Conn. *98
Landers, Frary & Clark, New Britain, Conn.
O. B. North & Co., New Haven, Conn.

I. TUG HOOKS.
Head's Iron Foundry, Utica, N. Y.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

663. HORSE BOOTS.
Becker & Wickser, Buffalo, N. Y.
P. J. Buckley, 1014 Jefferson St., Philadelphia, Pa.
Covert Mfg. Co., W. Troy, N. Y. *17
Curtis & Rickerson, Troy, N. Y.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Floyd & Foster, 214 Jefferson Av., Detroit, Mich.
Frazer & Jones Co., Syracuse, N. Y.
Gilliam Mfg. Co., Canton, O. *16
Goodyear Rubber Co., 487 Broadway, New York.
Heideman-Benoist Saddlery Co.. 419 N. 6th St.. St. Louis, Mo.
Hodgman Rubber Co., 459 Broadway, New York.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
E. G. Miles, Detroit, Mich.
Perforated Pad Co., Woonsocket, R. I.
Peters & Calhoun Co., 33 Warren St., New York. *7

664. HORSE CLOTHING.

A. EAR TIPS.
L. C. Chase & Co., 129 Washington St., Boston, Mass.
Conrad B. Day & Co., 128 N. 3d St., Philadelphia, Pa.
Yerkes, Jones & Co., 128 N. 3d St., Philadelphia, Pa.

B. FLY NETS.
Wm. Ayres & Sons, 711 Market St., Philadelphia, Pa.
M. W. Bach & Co., Ottawa, Ill.
L. C. Chase & Co., 129 Washington St., Boston, Mass.
Dillsburg Mfg. Co., Dillsburg, Pa.
Gem Hammock & Fly Net Co., Milwaukee, Wis.
P. R. L. Hardenbergh & Co., Mendato St., St. Paul, Minn.
R. Hoffeld & Co., Buffalo, N. Y.
Union Collar & Net Co., Dayton, O.
R. F. Wilson & Co., Milton, Pa.

C. FLY NETS, LEATHER.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Dillsburg Mfg. Co., Dillsburg, Pa.

J. S. Harley, Quakertown, Pa.
J. W. Ringrose Mfg. Co., Mechanicsburg, Pa.
Union Collar & Net Co., Dayton, Ohio.

D. HORSE BLANKETS.
Alexander Bros., Lake, N. Y.
Wm. Ayres & Sons, 711 Market St., Philadelphia, Pa.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Geo. DeB. Keim & Co., 610 Market St.. Philadelphia, Pa.
Jas. Lees & Sons, Bridgeport, Pa.
Northern Ohio Blanket Mills, Cleveland, O.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
J. Regan, Rockville, Conn.
Wm. B. Riley & Co., 507 Arch St. Philadelphia, Pa.
Sanford Mills, Sanford, Me.
Troy Blanket Mills, Troy, N. H.
Yerkes, Jones & Co., 128 N. 3d St., Philadelphia, Pa.

E. HORSE COVERS, WATERPROOF.
Wm. Ayres & Sons, 711 Market St., Philadelphia, Pa,
John F. Carter, Beverly, Mass.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
A. Ortmayer & Son, 116 Illinois St., Chicago, Ill.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun, 33 Warren St., New York. *7
Standard Oiled Clothing Co., Jersey City Heights, N. J.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.
A. J. Tower, 18 Simmons St., Boston, Mass.

F. HORSE HOODS.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
P. Hayden, Newark, N. J.
Peters & Calhoun Co., 33 Warren St., New York. *7

G. HOUSINGS.
Gilliam Mfg. Co., Canton, O. *16
A. Ortmayer & Son, 116 Illinois St., Chicago, Ill.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
Rubber & Celluloid Harness Trimming Co., Newark, N J.
Steele & Hovey Mfg. Co., Jackson, Mich.

665. HORSE COLLARS.
E. F. F. Beck & Son, Newark, N. J.
R. M. Bingham & Co., Rome, N. Y.
Curd & Sinton Mfg. Co., Louisville, Ky.
Curtis & Rickerson, Troy, N. Y.
O. F. Day, Son & Co., Baltimore, Md.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
Denver Mfg. Co,, Denver, Col.
Des Moines Saddlery Co., Des Moines, Iowa.
Harbison & Gathright, Louisville, Ky.
P. R. L. Hardenbergh & Co., Mendato St., St. Paul, Minn.
P. Hayden Saddlery Hardware Co., Columbus, O.
Heideman-Benoist Saddlery Co., 419 W. 6th St., St. Louis, Mo.
J. R. Hill & Co., Concord, N. H.
Wm. Homann Saddlery Co., 716 N. 4th St., St. Louis, Mo.
W. H. Hoover, New Berlin, O.
King & Co., Owego, N. Y.
J. C. Lighthouse, Rochester, N. Y.
Lincoln Saddlery Co., Lincoln, Neb.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
A. Ortmayer & Son, 116 Illinois St., Chicago, Ill.
Osborne & Burke, 69 Barclay St., New York.
Perkins, Campbell & Co., 214 Broadway, Cincinnati, O.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Sad. Hardware Co.. 501 N. Main St., St. Louis, Mo.
J. W. Ringrose Mfg. Co., Mechanicsburg, Pa.
J. B. Schott Saddlery Co., Quincy, Ill.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Richard Wolley's Sons. 321 Main St., Cincinnati, O.
Zinc Collar Pad Co., Buchanan, Mich.

A. COLLAR COUPLERS.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.

B. MULE COLLARS.
Jas. R. Hill & Co., Concord, N. H.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7

C. PATENT LEATHER COLLARS.
John Bea, Newark, N. J.
E. F. Beck & Son, Newark, N. J.

Lowell Harness & Collar Co., Lancaster, Pa.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7

D. STABLE COLLARS.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7

E. SWEAT COLLARS.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7

666. HORSE MUZZLES.
Bromwell Brush & W. G. Co., 181 Walnut St., Cincinnati, O.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Meriden Saddlery & Leather Co., Meriden, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Wire Goods Co., Worcester, Mass.

667. HORSE REMEDIES.
Egyptian Chemical Co., 15 Foster's Wharf, Boston, Mass.
Emmert Proprietary Co., 155 W. Washington St., Chicago, Ill.
B. J. Kendall Co., Enosburgh Falls, Vt.
Frank B. Palmer & Co., Glen Cove, N. Y.

668. LARIATS, RAWHIDE.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Chas. M. Theberath, Newark, N. J.
Whitman Saddle Co., Newark, N. J.

669. MARTINGALES.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Sad. Hardware Co., 501 N. Main St., St. Louis, Mo.

670. NECK YOKES.
Cleveland Hardware Co., Cleveland, O.
Covert Mfg. Co., W. Troy, N. Y. *17
Empire Drill Co., Shortsville, N. Y.
Farmer's Mfg. & Supply Co., Indianapolis, Ind.
Hartwell Bros., Delphos, O.
F. C. Johnson, Kishwaukee, Ill.
Lambertville Spoke Mfg. Co., Lambertville, N. J.
McCosh Iron & Steel Co., Burlington, Iowa.
Metal Stamping Co., 496 E. 32d St., New York.
Racine Hardware Mfg. Co., Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Toledo Carriage Woodwork Co., Toledo, O.
W. W. Woodruff & Sons, Mount Carmel, Conn.
John J. Wright, Bremen, Ind.

A. NECK YOKE CENTERS.
Cleveland Hardware Co., Cleveland, O.
Covert Mfg. Co., W. Troy, N. Y. *17
McCosh Iron & Steel Co., Burlington, Iowa.

B. NECK YOKE CLIPS.
Atwater Mfg. Co., Plantsville, Conn.
C. Cowles & Co , New Haven, Conn.
McCosh Iron & Steel Co., Burlington, Iowa.

C. NECK YOKE TIPS.
C. Cowles & Co., New Haven, Conn.
McCosh Iron & Steel Co., Burlington, Iowa.
Post & Co., 217 W. 4th St., Cincinnati, O.
Pratt & Letchworth, Buffalo, N. Y.

671. NOSE BAGS.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Iroquois Bag Co., Springfield, Mass.
John F. McHugh, 1250 Broadway, New York.
Osborne & Burke, 69 Barclay St., New York.
P. J. Peters Sad. Hardware Co., 501 N. Main St., St. Louis, Mo.

672. PADS, SADDLERY.

A. BRIDGE COLLAR PADS.
Morrow Bros. Mfg. Co., Washington Court House, O.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7

B. COACH PADS.
Frazer & Jones Co., Syracuse, N. Y.
Gilliam Mfg. Co., Canton, O. *16
Meriden Saddlery & Leather Co., Meriden, Conn.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Sargeant Mfg. Co., Newark, N. J.
Sole Leather Pad Co., Olean, N. Y.
Steele & Hovey Mfg. Co., Jackson, Mich.

C. COACH PADS, HARD RUBBER.
India Rubber Comb Co., 9 Mercer St., New York.
F. C. Kimball Mfg. Co., Cleveland Mfg. Co., Cleveland, O.
Peters & Calhoun Co., 33 Warren St., New York. *7

D. COLLAR PADS.
D. Curtis, Madison, Wis.
Morrow Bros. Mfg. Co., Washington Court House, O.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
Zinc Collar Pad Co., Buchanan, Mich.

E. FELT PADS.
Chas. N. Bacon, 52 Federal St., Boston, Mass.
F. C. Kimball Mfg. Co., Cleveland, O.
Osborne & Burke, 69 Barclay St., New York.

	Peters & Calhoun Co., 33 Warren St., New York.	*7
	Sole Leather Pad Co., Olean, N. Y.	
	Tingue, House & Co., 56 Reade St., New York.	*28
F. HARNESS PADS.	Gilliam Mfg. Co., Canton, O.	*16
	Harbison & Gathright, Louisville, Ky.	
	P. R. L. Hardenbergh & Co., cor. Mendate St., St. Paul, Minn.	
	P. Hayden, Newark, N. J.	
	Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.	
	J. R. Hill & Co., Concord, N. H.	
	Wm. Hormann Saddlery Co., 716 N. 4th St., St. Louis, Mo.	
	W. H. Hoover, New Berlin, O.	
	J. C. Lighthouse, Rochester, N. Y.	
	Lincoln Saddlery Co., Lincoln, Neb.	
	A. Ortmayer & Son, Illinois St , Chicago, Ill.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
G. MEDICATED HORSE COLLARS.	Jewell Pad Co., Hartford, Conn.	
H. HORSESHOE PADS.	J. H. Fenton, 267 Wabash Av., Chicago, Ill.	
	Neverslip Horseshoe Co., 36 India Wharf, Boston, Mass.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
I. PERFORATED PADS.	Perforated Pad Co., Woonsocket, R. I.	
	Peters & Calhoun Co , 33 Warren St., New York.	*7
J. RAWHIDE PADS.	Jewell Pad Co., Hartford, Conn.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
K. SOLE LEATHER PADS.	Peters & Calhoun Co., 33 Warren St., New York.	*7
	Sole Leather Pad Co., Olean, N. Y.	
L. SWEAT PADS.	Burkhart Pad Mfg. Co., 523 N. 2d St., St. Louis, Mo.	
	Enterprise Mfg. Co., Akron, O.	
	Keystone Sweat Pad Co., Turbotville, Pa.	
	E. L. McClaim Mfg. Co., Greenfield, O.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
	J. W. Ringrose Mfg, Co., Mechanicsburg, Pa.	
M. SWEAT PADS, CORK.	Enterprise Mfg. Co., Akron, O.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
N. SWEAT PADS, HAIR.	Enterprise Mfg. Co., Akron, O.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
O. TEAM PADS.	Frazer & Jones Co., Syracuse, N. Y.	
	Gilliam Mfg. Co., Canton, O.	*16
	Peters & Calhoun Co., 33 Warren St., New York.	*7
673. PAD SCREWS.	Grilley Co., New Haven, Conn.	
	P. Hayden, Newark, N. J.	
	O. B. North & Co., New Haven, Conn.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Chas. M. Theberath, Newark, N. J.	
674. PICKET PINS.	Covert Mfg. Co., W. Troy, N. Y.	*17
	O. B. North & Co., New Haven, Conn.	
675. RIDING EQUIPMENTS.	P. Hayden Saddlery Hardware Co., Columbus, O.	
	Wm. Homann Saddlery Co., 116 N. 4th St., St. Louis, Mo.	
	Osborne & Burke, 69 Barclay St., New York.	
	Whitman Saddle Co., Newark, N J.	
A. RIDING LEGGINS.	Peters & Calhoun Co., 33 Warren St., New York.	*7
	Wm. H. Wiley & Son, Hartford, Conn.	
676. SADDLES.		
A. CART SADDLES.	DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.	
	Holliday & Wyon, Indianapolis, Ind.	
	F. C. Kimball Mfg. Co., Cleveland, O.	
	Osborne & Burke, 69 Barclay St., New York.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
	P. J. Peters Sad. Hardware Co., 501 N. Main St., St. Louis, Mo.	
	Standard Coach Pad Co., Wooster, O.	
B. COUPE SADDLES.	Gilliam Mfg. Co., Canton, O.	*16
	Holliday & Wyon, Indianapolis, Ind.	
	F. C. Kimball Mfg. Co., Cleveland, O.	
	Osborne & Burke, 69 Barclay St., New York.	
	Peters & Calhoun Co., 33 Warren St., New York.	*7
	Rubber & Celluloid Harness Trimming Co., Newark, N. J.	
	Sole Leather Pad Co., Olean, N. Y.	
	Standard Coach Pad Co., Wooster, O.	
	Steele & Hovey Mfg. Co., Jackson, Mich.	
C. EXPRESS SADDLES.	DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.	
	J. H. Fenton, 267 Wabash Av., Chicago, Ill.	
	Frazer & Jones Co., Syracuse, N. Y.	
	Gilliam Mfg. Co., Canton, O.	*16
	Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.	
	Holliday & Wyon, Indianapolis, Ind.	
	Wm. H. Hoover, New Berlin, O.	

F. C. Kimball Mfg. Co., Cleveland, O.
Meriden Saddlery & Leather Co., Meriden, Conn.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
Nashville Saddlery Co., Nashville, Tenn.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Sad. Hardware Co., 501 N. Main St., St. Louis, Mo.
Rock City Saddlery Co., Nashville, Tenn.
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Sole Leather Pad Co., Olean, N. Y.
Standard Coach Pad Co., Wooster, O.
Steele & Hovey Mfg. Co., Jackson, Mich.

D. GIG SADDLES.
Jacob Straus Saddlery Co., 610 N. 6th St., St. Louis, Mo.
Buckeye Hame Tug Co., 12 E. 3d St., Cincinnati, O.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
Frazer & Jones Co., Syracuse, N. Y.
Gilliam Mfg. Co., Canton, O. *16
I. S. Harley, Quakertown, Pa.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Holliday & Wyon, Indianapolis, Ind.
W. H. Hoover, New Berlin, O.
F. C. Kimball Mfg. Co., Cleveland, O.
Meriden Saddlery & Leather Co., Meriden, Conn.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Sad. Hardware Co., 501 N. Main St., St. Louis, Mo.
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Sole Leather Pad Co., Olean, N. Y.
Standard Coach Pad Co., Wooster, O.
Steele & Hovey Mfg. Co., Jackson, Mich.

E. GIG SADDLES, HARD RUBBER.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Holliday & Wyon, Indianapolis, Ind.
Meriden Saddlery & Leather Co., Meriden, Conn.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
Sargeant Mfg. Co., Newark, N. J.

F. MEXICAN SADDLES
Peters & Calhoun Co., 33 Warren St., New York. *7

G. RIDING SADDLES.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
Des Moines Saddlery Co., Des Moines, Iowa.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
J. F. Goodrich & Co., New Haven, Conn.
Graf, Morsbach & Co., Freeman Av. & Flint St., Cincinnati, O.
Harbison & Gathright, 707 W. Main St., Louisville, Ky.
P. Hayden, Newark, N. J.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
W. H. Hoover, New Berlin, O.
Lincoln Saddlery Co., Lincoln, Neb.
Meyer, Bannerman & Co., 6th St., Lucas Av., St. Louis, Mo.
Osborne & Burke, 69 Barclay St., New York.
Perkins, Campbell & Co., 214 Broadway, Cincinnati, O.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery H'dware Co., 501 N. Main St., St. Louis, Mo.
Smith Bros., Newark, N. J.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Whitman Saddle Co., Newark, N. J.
Richard Woolley's Sons, 321 Main St., Cincinnati, O.

H. SIDE SADDLES.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
J. H. Fenton, 269 Wabash Av., Chicago, Ill.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery H'dware Co., 501 Main St., St. Louis, Mo.

I. STRAP SADDLES.
Gilliam Mfg. Co., Canton, O. *16

J. TRACK SADDLES
F. C. Kimball Mfg. Co., Cleveland, O.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery H'dware Co., 501 N. Main St., St. Louis, Mo.
Sole Leather Pad Co., Olean, N. Y.
Steele & Hovey Mfg. Co., Jackson, Mich.

677. SADDLE FITTINGS.

A. SADDLE BAGS
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.

Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P.J.Peters Saddlery Hardware Co.,501 N.Main St.,St.Louis,Mo.
Jacob Straus Saddlery Co., 410 N. 6th St St. Louis, Mo.
Chas. M. Theberath, Newark, N. J.

B. SADDLE CLIPS.
Atwater Mfg. Co., Plantsville, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

C. SADDLE CLOTHS.
L. C. Chase & Co., 129 Washington St., Boston, Mass.
Osborne & Burke, 69 Barclay St., New York.
Perforated Pad Co., Woonsocket, R. I.
Peters & Calhoun Co., 33 Warren St., New York. *7
Rubber & Celluloid Harness Trimming Co., Newark, N. J.
Sole Leather Pad Co., Olean, N. Y.
Whitman Saddle Co., Newark, N. J.

D. SADDLE GIRTHS.
Osborne & Burke, 69 Barclay St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
Whitman Saddle Co., Newark, N. J.

E. SADDLE HOUSINGS, FELT.
Chas. N. Bacon, 52 Federal St., Boston, Mass.
Peters & Calhoun Co., 33 Warren St., New York. *7

F. SADDLE ORNAMENTS
American Ring Co., Waterbury, Conn.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

G. SADDLE REEDS.
C. Cowles & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

678. SADDLERY.
A. F. Ball, Springfield, Mass.
R. M. Bingham & Co., Rome, N. Y.
O. F. Day, Son & Co., Baltimore, Md.
DeCamp, Levoy & Co., 91 Main St., Cincinnati, O.
Des Moines Saddlery Co., Des Moines, Iowa.
Duguid Saddlery Co., Syracuse, N. Y.
Curd & Sinton Mfg. Co., Louisville, Ky.
Frazer & Jones Co., Syracuse, N. Y.
Harbison & Gathright, Louisville, Ky.
P. Hayden Saddlery Hardware Co., Columbus, O.
Heidman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Wm. Homan Saddlery Co., 716 N. 4th St., St. Louis, Mo.
Meyer, Bannerman & Co., 6th St. & Lucas Av., St. Louis, Mo.
Osborne & Burke, 69 Barclay St., New York.
Padgitt & Warmoth, Austin, Tex.
Perkins Campbell & Co., 214 Broadway, Cincinnati, O.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Saddlery Hardware Co.,501 N.Main St.,St.Louis,Mo.
J. B. Schott Saddlery Co., Quincy, Ill.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Loufs, Mo.

679. SLEIGH BELLS.
American Ring Co., Waterbury, Conn.
Barton Bell Co., Marion, Ind.
Bevin Bros. Mfg. Co., East Hampton, Conn.
W. H. Chapman & Co., Middletown, Conn.
P. Hayden, Newark, N. J.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Chas. M. Theberath, Newark, N. J.

A. BODY STRAP BELLS.
American Ring Co., Waterbury, Conn.
Chapman Mfg. Co., Meriden, Conn.

B. SADDLE CHIMES.
Barton Bell Co., Marion, Ind.
Chapman Mfg. Co., Meriden, Conn.

C. SHAFT BELLS.
American Ring Co., Waterbury, Conn.
Chapman Mfg. Co., Meriden, Conn.
Gong Bell Mfg. Co., E. Hampton, Conn.
D. W. Sexton, E. Hampton, Conn.

D. SLEIGH BELL CHIMES.
Waterbury Ring Co., Waterbury, Conn.
Gong Bell Mfg. Co., E. Hampton, Conn.

E. STAFF BELLS.
American Ring Co., Waterbury, Conn.
Chapman Mfg. Co., Meriden, Conn.
D. W. Sexton, E. Hampton, Conn.

680. SNAPS, HARNESS.
F. H. Beecher, Seymour, Conn.
Covert Mfg. Co., W. Troy, N. Y. *17
W. & E. T. Fitch, New Haven, Conn.
O. S. Judd, New Britain, Conn.
O. B. North, New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

681. SPURS.
Elbel & Co., Canton, O.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7

682. STABLE FIXTURES.
Arnold & Co., Norwalk, Conn.
Champion Iron Co., Kenton, O.
J. W. Fiske, 28 Park Place, New York.

Howard & Morse, 45 Fulton St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Standard Mfg. Co., Pittsburgh, Pa. *49
E. C. Stearns & Co., Syracuse, N. Y.
J. H. Van Dorn, Cleveland, O.
Variety Iron Works, York, Pa.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

A. HARNESS HOOKS
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Chalfant Mfg. Co., Atglen, Pa.
J. W. Fiske, 28 Park Place, New York.
Pratt & Letchworth, Buffalo, N. Y.
Taylor & Boggis Foundry Co., Cleveland, O.

B. MANGERS.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
S. S. Bent & Son, 111 Chambers St., New York.
J. W. Fiske, 28 Park Place, New York.
Standard Mfg. Co., Pittsburgh, Pa. *49

C. STABLE GUTTERS.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
J. W. Fiske, 28 Park Place, New York.
E. C. Stearns & Co., Syracuse, N. Y.

D. WHIP RACKS.
J. W. Fiske, 28 Park Place, New York.
Wm. P. Kellogg, Troy, N. Y.

E. WIRE STALL PARTITIONS.
J. W. Fiske, 28 Park Place, New York.
Howard & Morse, 45 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.

683. STIRRUPS.
Elbel & Co., Canton, O.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Woolworth & Cowles, Sandusky, O.

A. WOOD STIRRUPS
Heideman-Benoist Saddlery Co., 419 N. 6th St., St. Louis, Mo.
Holliday & Wyon, Indianapolis, Ind.
H. H. Knight, Sandusky, O.
Lincoln Saddlery Co., Lincoln, Neb.
Meriden Saddlery & Leather Co., Meriden, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Richard Woolley's Sons, 321 Main St., Cincinnati, O.

684. SURCINGLES.
Covert Mfg. Co., W. Troy, N. Y. *17
Curtis & Rickerson, Troy, N. Y.
J. H. Fenton, 267 Wabash Av., Chicago, Ill.
P. Hayden, Newark, N. J.
Meriden Saddlery & Leather Co., Meriden, Conn.
Osborne & Burke, 69 Barclay, St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
P. J. Peters Sad. Hardware Co., 501 N. Main St., St. Louis, Mo.
Russel Mfg. Co., Middletown, Conn.
Smith, Bourne & Co., Hartford, Conn.

685. SWIVELS.
O. B. North & Co., New Haven, Conn.
Chas. M. Theberath, Newark, N. J.
Pratt & Letchworth, Buffalo, N. Y.

686. TERRETS.
O. B. North & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Chas. M. Theberath, Newark, N. J.

687. TOGGLES.
J. M. Basinger & Co., Buffalo, N. Y.
O. B. North & Co., New Haven, Conn

688. TRACE BEARERS.
Pratt & Letchworth, Buffalo, N. Y.
Frazer & Jones Co., Syracuse, N. Y.
Osborne & Burke, 69 Barclay St., New York.

689. TREES, SADDLERY.

A. EXPRESS TREES.
Peters & Calhoun Co., 33 Warren St., New York. *7
Rubber & Celluloid Harness Trimming Co., Newark, N. J.

B. GIG TREES.
P. Hayden, Newark, N. J.
Peters & Calhoun Co., 33 Warren St., New York. *7
Rubber & Celluloid Harness Trimming Co., Newark, N. J.

C. SADDLE TREES.
Joseph Bevan, Newark, N. J.
Dennis & Claggett, Jeffersonville, Ind.
T. E. Menea, Denver, Col.
O. B. North & Co., New Haven, Conn.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pratt & Letchworth, Buffalo, N. Y.
Steele & Hovey Mfg. Co., Jackson, Mich.
Sullivan Saddle Tree Co., Jefferson City, Mo.
Whitman Saddle Co., Newark, N. J.

690. WHIPS.

A. CARRIAGE WHIPS.
American Whip Co., Westfield, Mass.
S. Baker & Co., Buffalo, N. Y.
Bay State Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
O. F. Day, Son & Co., Baltimore, Md.
Dayton Whip Co., Dayton, O.
D. M. Lane's Sons, 3422 Market St., Philadelphia, Pa.
James H. Milliken & Sons, 20 Light St., Baltimore, Md.
Osborne & Burke, 69 Barclay St., New York.
W. H. Owen, 52 Warren St., New York.
Peters & Calhoun Co., 33 Warren St., New York. *7
Warren-Featherbone Whip Co., Three Oaks, Mich.
Weaver, Bardall & Humphrey Mfg. Co., Moundsville, W. Va.
Woodbury & Co., Rochester, N. Y.

B. COACH WHIPS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
Jas. H. Milliken & Sons, 20 Light St., Baltimore, Md.
Sanford Whip Co., Westfield, Mass.
Woodbury & Co., Rochester, N. Y.

C. DROVERS' WHIPS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
J. W. Ringrose Mfg. Co., Mechanicsburg, Pa.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.

D. FANCY WHIPS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
Sanford Whip Co., Westfield, Mass.

E. FARM WHIPS.
American Whip Co., Westfield, Mass.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Coburn Whip Co., Windsor, N. Y.
Jas. H. Milliken & Sons, Baltimore, Md.
Woodbury & Co., Rochester, N. Y.

F. RATTAN WHIPS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
Sanford Whip Co., Westfield, Mass.

G. RAWHIDE WHIPS.
American Whip Co., Westfield, Mass.
Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Chicago Rawhide Mfg. Co., Chicago, Ill.
Coburn Whip Co., Windsor, N. Y.
Dayton Whip Co., Dayton, O.
Jas. H. Milliken & Sons, Baltimore, Md.
Sanford Whip Co., Westfield, Mass.
Woodbury & Co., Rochester, N. Y.

H. RIDING WHIPS.
American Whip Co., Westfield, Mass.
Bay State Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
Dayton Whip Co., Dayton, O.
Jas. H. Milliken & Sons, Baltimore, Md.
W. H. Owen, 52 Warren St., New York.
Sanford Whip Co., Westfield, Mass.
Woodbury & Co., Rochester, N. Y.

I. WAGON WHIPS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
W. H. Owen, 52 Warren St., New York.

J. WHALEBONE WHIPS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
Sanford Whip Co., Westfield, Mass.
Warren Featherbone Whip Co., Three Oaks, Mich.

K. WHIP LASHES.
American Whip Co., Westfield, Mass.
H. W. Avery, Westfield, Mass.
J. M. Barnes, Westfield, Mass.
Bay State Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
W. H. Owen, 52 Warren St., New York.
Sanford Whip Co., Westfield, Mass.
J. C. Schmidt & Co., Westfield, Mass.
Weaver & Bardall, Moundsville, W. Va.

L. WHIPLASH SNAPS.
American Whip Co., Westfield, Mass.
Bay State Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.

M. WHIP STOCKS.
American Whip Co., Westfield, Mass.
Coburn Whip Co., Windsor, N. Y.
Wm. P. Kellogg, Troy, N. Y.
H. H. Knight, Sandusky, O.
W. H. Owen, 52 Warren St., New York.
J. C. Schmidt & Co., Westfield, Mass.

XX. HOUSEHOLD UTENSILS.

691. APPLE CORERS.
Matthai, Ingram & Co., Baltimore, Md.
Post & Co., 217 W. 4th St., Cincinnati, O.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.

692. BATHS, PORTABLE.

A. BATHING APPARATUS.
E. J. Knowlton, 24 N. State St., Ann Arbor, Mich.

B. BIDET PANS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

C. FOOT BATHS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

D. FOOT BATHS, PAPER.
Jennings Bros., Fairfield, Conn.

E. INFANTS' BATHS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.

F. PLUNGE BATHS.
Sidney Shepard & Co., Buffalo, N. Y.

G. SITZ BATH.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.

H. SPONGE BATHS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

693. BEEF TEA PRESS.
Silver & Co., 56 Warren St., New York.

694. BENCHES, LAUNDRY.

A. WASH BENCHES.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Fletcher & Webster Furniture Co., Nashua, N. H.
G. S. Foos Co., Springfield, O.
L. H. Mace & Co., 111 E. Houston St., New York.
Paris Mfg. Co., South Paris, Me.

B. WASH BENCHES, FOLDING.
F. F. Adams Co., Erie, Pa.
Bailey Wringing Machine Co., Woonsocket, R. I.
Empire Wringer Co., Auburn, N. Y.
Lovell Mfg. Co., Ltd., Erie, Pa.
Metropolitan Mfg. Co., 32 Cortlandt St., New York.
Peabody & Parks, Troy, N. Y.
Henry Schomer, 273 Canal St., Chicago, Ill.

695. BOARDS, KITCHEN.

A. BREAD BOARDS.
L. H. Mace & Co., 111 E. Houston St., New York.

B. KNIFE BOARDS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.

C. MEAT BOARDS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Boomer & Boschert Press Co., 235 Greenwich St., New York.
L. H. Mace & Co., 111 E. Houston St., New York.

D. PASTRY BOARDS.
Cooper & McKee, 149 Gwinnett St., Brooklyn, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.

696. BOARDS, LAUNDRY.

A. BOSOM BOARDS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.

B. IRONING BOARDS.
H. F. Brammer Mfg. Co., Davenport, Iowa.
W. J. Clark & Co., Salem, O. *121
Fletcher & Webster Furniture Co., Nashua, N. H.
Manning, Bowman & Co., Meriden, Conn.
Vanstone Mfg. Co., Providence, R. I.

C. SHIRT BOARDS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Vanstone Mfg. Co., Providence, R. I.

D. SKIRT BOARDS.
Fletcher & Webster Furniture Co., Nashua, N. H.
L. H. Mace & Co., 111 E. Houston St., New York.
Henry Schomer, 299 S. Canal St., Chicago, Ill.

E. WASH BOARDS.
W. J. Clark & Co., Salem, O. *121
Fuller Bros., Kalamazoo, Mich.
Gorham & Sargent, Cleveland, O.
Lapham-Dodge Co., Cleveland, O.
L. H. Mace & Co., 111 E. Houston St., New York.
J. H. Polsdorfer & Sons, Evansville, Ind.
Union Mfg. Co., Toledo, O.

697. BOILERS.

A. ASPARAGUS BOILERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Silver & Co., 56 Warren St., New York.
B. COFFEE BOILERS.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Silver & Co., 56 Warren St., New York.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
C. EGG BOILERS.	Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Silver & Co., 56 Warren St., New York.
D. FARINA BOILERS.	Manning, Bowman & Co., Meriden, Conn.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
E. HAM BOILERS.	F. & L. Kahn & Bros., Hamilton, O.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Lithgow Mfg. Co., Louisville, Ky. *56
	John Savery's Son & Co., 97 Beekman St., New York.
F. MILK BOILERS.	Chicago Stamping Co., 10 Lake St., Chicago, Ill.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney & Co., 240 Water St., New York.
G. RICE BOILERS.	Chicago Stamping Co., 10 Lake St., Chicago, Ill.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
H. RICE BOILERS, COPPER.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Manning, Bowman & Co., Meriden, Conn.
I. VEGETABLE BOILERS.	Samuel Booth, 543 W. 35th St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	National Mfg. Co., Worcester, Mass.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Woods, Sherwood & Co., Lowell, Mass.
J. WASH BOILERS.	Hoy & Co., Albany, N. Y.
	Lithgow Mfg. Co., Louisville, Ky. *56
	Palmer Mfg. Co., 290 Pearl St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Troy Stamping Works, Troy, N. Y.
K. WASH BOILERS, COPPER.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Hoy & Co., Albany, N. Y.
	Thos. Phillips & Co., Providence, R. I.
	Geo. N. Pierce & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.

698. BOWLS.

A. PAPER BOWLS.	Jennings Bros., Fairfield, Conn.
B. SOUP BOWLS, ENAMELLED.	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
C. SUGAR BOWLS, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn,
D. TIN BOWLS.	Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.
E. WOODEN BOWLS.	Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
	L. H. Mace & Co., 111 E. Houston St., New York.

699. BOXES, TINWARE.

A. BREAD & CAKE BOXES.	A. Kreamer, 3d St. & Kent Av., Brooklyn, N. Y.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.
B. CHEESE BOXES.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
C. LUNCH BOXES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
D. SALT & PEPPER BOXES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
E. SPICE BOXES.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
F. SUGAR BOXES.	E. B. Estes & Sons, 254 Pearl St , New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.

700. BREAD CUTTERS.

Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.
Walker & Pratt Mfg. Co., 31 Union St., Boston, Mass.

701. BROILERS.
Bramhall, Deane & Co., 264 Water St., New York.
Central Oil Stove Co., Florence, Mass.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Tower & Lyon, 95 Chambers St., New York.
Woods, Sherwood & Co., Lowell, Mass.

702. CADDIES.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Horne & Danz Co., St. Paul, Minn.
Norton Bros., 36 River St., Chicago, Ill.
Sidney Shepard & Co., Buffalo, N. Y.

703. CAKE CLOSETS.
John C. Jewett Mfg. Co., Buffalo, N. Y.

704. CAKE MIXERS.
Sidney Shepard & Co., Buffalo, N. Y.
J. H. Day & Co., Broadway & Eggleston Av., Cincinnati, O.
Model Mfg. Co. of Pennsylvania, 197 Huntington St., Phila., Pa.

705. CAKE TURNERS.
Smith Harper, 12 N. 5th St., Philadelphia, Pa.
H. W. Humphrey, Unionville, Conn.
Knapp & Cowles Mfg. Co,, Bridgeport, Conn.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
H. H. Mayhew Co., Shelburne Falls, Mass.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

706. CAKE & BISCUIT CUTTERS.
Crandall & Godley, 157 Franklin St., New York.
Meriden Britannia Co , Meriden, Conn.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.

A. FANCY CAKE CUTTERS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

707. CANS.

A. ASH CANS.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Sidney Shepard & Co., Buffalo, N. Y.

B. ASH CANS, GALVANIZED.
James Hill Mfg. Co., Providence, R. I.
U. S. Supply Co., Ltd., 51 John St., New York.

C. GARBAGE CANS.
Iron Clad Mfg. Co., 22 Cliff St., New York.

D. GARBAGE CANS, GALVANIZED.
James Hill Mfg. Co., Providence, R. I.

E. GASOLINE CANS.
W. J. Clark & Co., Salem, O. *121
Horne & Danz Co., St. Paul, Minn.
H. B. Hunt, Cleveland, O.
Winfield Mfg. Co., Warren, O.

F. ICE CREAM CANS.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Valentine Clad, 117 S. 11th St., Philadelphia, Pa.
Crandall & Godley, 157 Franklin St., New York.
Iron Clad Mfg. Co., 22 Cliff St., New York.

G. MILK CANS.
Buhl Stamping Co., Detroit, Mich.
Chicago Stamping Co., 10 Lake St,, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.
A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
Sidney Shepard & Co., Buffalo, N. Y.

H. OIL CANS.
Adams & Westlake Co., Ontario near Franklin St., Chicago, Ill.
Albany Steam Tin Works, Albany, N. Y.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
W. J. Clark & Co., Salem, O. *121
C. A. Hart, Troy, N. Y.
Hoy & Co., Albany, N. Y.
H. B. Hunt, Cleveland, O.
Mason Fruit Jar Co., Bridesburg, Philadelphia, Pa.
Matthai, Ingram & Co., Baltimore, Md.
Michigan Can Mfg. Co., Grand Rapids, Mich.
Paragon Oil Can Co., Meadville, Pa.
Peabody & Park Mfg. Co., Lansingburgh, N. Y.
J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.
C. P. Poole & Co., 255 N. Front St., Philadelphia, Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York
Union Gas & Oil Stove Co., 406 Pearl St., New York.
Wm. Vogel & Bro., 37 S. 9th St., Brooklyn, N. Y.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.
Winfield Mfg. Co., Warren, O.

I. OIL CANS, GLASS.
Ball Bros. Glass Mfg. Co , Buffalo, N. Y.
Bellaire Stamping Co., Bellaire, O.
Hemingray Glass Co., Covington, Ky.
Mason Fruit Jar Co., Bridesburg, Pa.

J. ROTARY OIL CANS.
W. J. Clark & Co., Salem, O. *121

K. WATER CANS.
Horne & Danz Co., St. Paul, Minn.
Sidney Shepard & Co., Buffalo, N. Y.

708. CANISTERS, TEA & COFFEE.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Meriden Britannia Co., Meriden, Conn.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.

709. CASTERS, WIRE.
Woods, Sherwood & Co., Lowell, Mass.

710. CHAMBERS.

A. ENAMELLED CHAMBERS & COVERS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

B. HOSPITAL CHAMBERS, PAPER.
Jennings Bros., Fairfield, Conn.

711. CLEANERS.

A. SINK CLEANERS.
National Mfg. Co., Worcester, Mass.
Towel Rack & Novelty Mfg. Co., Providence, R. I.
Troy Stamping Works, Troy, N. Y.

B. WIRE POT CLEANERS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Fred. J. Meyers Mfg Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
N. R. Streeter & Co., Groton, N. Y.

712. CLOTHES DRYERS.

A. CLOTHES BARS.
Bluffton Mfg. Co., Bluffton, Ind.
W. D. Martin, Warsaw, N. Y.
A. J. Phillips & Co., Fenton, Mich.
Henry Schomer, 299 S. Canal St., Chicago, Ill.
Shepard & Co., Fulton, N. Y.
Toledo Cot & Wringer Co., Toledo, O.

B. CLOTHES HORSES.
H. F. Brammer Mfg. Co., Davenport, Iowa.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Fletcher & Webster Furniture Co., Nashua, N. H.
L. H. Mace & Co., 111 E. Houston St., New York.
A. J. Phillips & Co., Fenton, Mich.

C. CLOTHES PINS.
A. W. Dodge Clothes Pin Mfg. Co., Morley, Mich.
A. E. Francis, Cleveland, O.
Howell, Moffat & Co., Kane, Pa.
Richmond Cedar Works, Ltd., Richmond, Va.
Vanceboro' Wooden Ware Co., Vanceboro', Me.

D. CLOTHES POLES.
Chesebro, Whitman & Co., 302 E. 64th St., New York.
Ossawan Mills Co., Norwich, Conn. *65

E. CLOTHES REELS.
Altitude Clothes Reel Co., Mount Pleasant, Mich.
Colby Wringer Co., Detroit, Mich.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
E. C. Stearns & Co., Syracuse, N. Y.

713. COFFEE BIGGINS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
G. I. Mix & Co., Yalesville, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

714. COLANDERS.
Hoy & Co., Albany, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

715. COOKERS.

A. COOKING CROCKS.
Manning, Bowman & Co., Meriden, Conn.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133

B. STEAM COOKERS.
Household Utensil Mfg. Co., 194 Front St., New York.
Bramhall, Deane & Co., 264 Water St., New York.
Wilmot Castle & Co., Rochester, N. Y.
R. E. Dietz Co., 60 Laight St., New York.
Hill, Whitney & Co., 149 Pearl St., Boston, Mass.
Manning, Bowman & Co., Meriden, Conn.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133

716. COOLERS.

A. MILK COOLERS.
Iron Clad Mfg. Co., 22 Cliff St., New York.

B. WATER COOLERS.
Herman Strater & Sons, 74 Sudbery St., Boston, Mass.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Heinz & Munschauer, Buffalo, N. Y.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Low Art Tile Co., Chelsea, Mass.
Manning, Bowman & Co., Meriden, Conn.
Palmer Mfg. Co., 290 Pearl St., New York.
Geo. N. Pierce & Co., Buffalo, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.
Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.

C. WATER COOLERS, FIBRE.
Standard Fiber-Ware Co., Mankato, Minn.
Syracuse Fibre Ware Co., Syracuse, N. Y.
United States Mineral Wool Co., 80 Cortlandt St., New York.

D. WINE COOLERS.
J. W. Fiske, 28 Park Place, New York.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Low Art Tile Co., Chelsea, Mass.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

E. WIRE BREAD & CAKE COOLERS.
Woods, Sherwood & Co., Lowell, Mass.

717. COPPER UTENSILS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Bramhall, Deane & Co., 264 Water St., New York.
Thos. Phillip & Co., Providence, R. I.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
Henry Steeger, 143 E. 31st St., New York.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
John Van Range Co., 169 Elm St., Cincinnati, O.

718. COVERS.

A. BARREL COVERS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Fred. J. Myers Mfg. Co., Covington, Ky.
Michigan Barrel Co., Grand Rapids, Mich.
Minneapolis Wire Works Co., Minneapolis, Minn.

B. BOILER COVERS.
Sidney Shepard & Co., Buffalo, N. Y.

C. BUCKET COVERS.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

D. DISH COVERS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
National Mfg. Co., Worcester, Mass.

E. HAMPER COVERS.
John F. McHugh, 1263 Broadway, New York.

F. KETTLE COVERS.
Topliff & Ely Co., Elyria, O.

G. PAIL COVERS.
Sidney Shepard & Co., Buffalo, N. Y.

H. SAUCEPAN COVERS.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

I. TEA KETTLE COVERS.
Sidney Shepard & Co., Buffalo, N. Y.

J. WIRE DISH COVERS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gibbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Myers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wickwire Bros., Cortland, N. Y.

719. CRACKER & CHEESE HOLDERS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.

720. CRULLERS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

721. CULINARY WHIPS & BEATERS.
H. W. Humphrey, Unionville, Conn.
Keystone Mfg. Co., 2548 Callowhill St., Philadelphia, Pa.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Landers, Frary & Clark, New Britain, Conn.
Manning, Bowman & Co., Meriden, Conn.
Fred. J. Myers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
Paine, Diehl & Co., 1430 S. Pennsylvania Sq., Philadelphia, Pa.
Rochester Lamp Co., 24 Park Place, New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Silver & Co., 56 Warren St., New York.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Standard Co., 129 Portland St., Boston, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.

Wire Goods Co., Worcester, Mass.
Woods, Sherwood & Co., Lowell, Mass.

722. CUPS.

A. COLLAPSIBLE CUPS. Meriden Britannia Co., Meriden, Conn.

B. DRINKING CUPS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
Sidney Shepard & Co., Buffalo, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wilcox Silver Plate Co., Meriden, Conn.

C. ENAMELLED CUPS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.

D. MARKING CUPS. Sidney Shepard & Co., Buffalo, N. Y.

E. MEASURING CUPS. Sidney Shepard & Co., Buffalo, N. Y.

F. MUFFIN CUPS. W. H. Sweeney Mfg. Co., 240 Water St., New York.
Jos. Scheider & Co., 119 3d St., Brooklyn, N. Y.

G. SPIT CUPS. Jos. Scheider & Co., 119 3d St., Brooklyn, N. Y.

H. TIN CUPS. Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

723. CUSPADORES.

Bradley & Hubbard Mfg. Co., Meriden, Conn.
A. H. Hews & Co., N. Cambridge, Mass.
Manning, Bowman & Co.. Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
Geo. N. Pierce & Co., Buffalo, N. Y.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Geo. D. Winchell Mfg. Co., Bank & Riddle St., Cincinnati, O.

A. BRASS CUSPADORES. Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Bridgeport Brass Co., Bridgeport, Conn. *27
J. W. Fiske, 28 Park Place, New York.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Manhattan Brass Co., 338 E. 28th St., New York.
Manning, Bowman & Co., Meriden, Conn.
W. T. Mersereau & Co., Newark, N. J.
Palmer Mfg. Co., 290 Pearl St., New York.
Pittsburgh Brass Co., Pittsburgh, Pa.
Post & Co., 217 W. 4th St., Cincinnati, O.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. ENAMELLED CUSPADORES. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
Marietta Hollow Ware & Enamel Co., Marietta, Pa.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

C. NICKELED CUSPADORES. Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Manning, Bowman & Co., Meriden, Conn.
Post & Co., 217 W. 4th St., Cincinnati, O.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

D. PAPER CUSPADORES. Jennings Bros., Fairfield, Conn.

E. RUBBER CUSPADORES. Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
India Rubber Comb Co., 9 Mercer St., New York.

F. SELF-RIGHTING CUSPADORES. Bridgeport Brass Co., Bridgeport, Conn. *27
Patton Mfg. Co., Columbus, O.

G. TIN CUSPADORES. Manning, Bowman & Co., Meriden, Conn.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

724. DINNER CARRIERS.

Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

725. DIPPERS.

A. COPPER DIPPERS. Aldrich & Ray Mfg Co., Buffalo, N. Y.
Thos. Phillips & Co., Providence, R. I.

B. EGG & VEGETABLE DIPPERS. Bromwell Brush & Wire Goods Co., 181 Walnut St., Cinn., O.
Fred. J. Meyers Mfg. Co., Covington, Ky.

C. ENAMELLED DIPPERS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

D. MILK DIPPERS. Iron Clad Mfg. Co., 22 Cliff St., New York.

E. TIN DIPPERS. Hoy & Co., Albany, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

726. DISHES.

A. BAKING DISHES. John C. Jewett Mfg. Co., Buffalo, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.

B. BUTTER DISHES. Manning, Bowman & Co., Meriden, Conn.

	Meriden Britannia Co., Meriden, Conn.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
C. CHAFING DISHES.	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
D. HAT RACK DISHES.	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
E. MEAT DISHES.	Manning, Bowman & Co., Meriden, Conn.
	Meriden Britannia Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
F. PUDDING DISHES.	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
G. SOAP DISHES, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
H. SOAP DISHES, IRON.	Chalfant Mfg. Co., Atglen, Pa.
	J. W. Fiske, 28 Park Place, New York.
	J. & E. Stevens Co., Cromwell, Conn.
I. SOAP DISHES, TIN.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
J. SPONGE DISHES, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Meriden Britannia Co., Meriden, Conn.
K. VEGETABLE DISHES, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Meriden Britannia Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
727. DISH CLOTH HOLDERS, WIRE.	
	National Mfg. Co., Worcester, Mass.
	Woods, Sherwood & Co., Lowell, Mass.
728. DISH DRAINERS.	Ossawan Mills Co., Norwich, Conn. *65
	Woods, Sherwood & Co., Lowell, Mass.
729. DRAINERS, TUMBLER.	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	National Mfg. Co., Worcester, Mass.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.
730. EGG OPENERS.	Champion Egg Opener Co., Hartford, Conn.
731. EGG POACHERS.	Buffalo Scale Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co,, 19 Cliff St., New York.
	Sidney Shepard & Co., Buffalo, N. Y.
	Silver & Co., 56 Warren St., New York.
732. FIBRE WARE.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
	Western Indurated Fibre Co., Winona, Minn.
733. FILLERS.	
A. LAMP FILLERS.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Shepard Hardware Co., Buffalo, N. Y.
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52
	F. C. Wilson & Co., 239 Lake St., Chicago, Ill.
B. OIL CAN FILLERS.	Shepard Hardware Co., Buffalo, N. Y.
	Wallace & Son, Ansonia, Conn.
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52
	F. C. Wilson & Co., 239 Lake St., Chicago, Ill.
734. FILTERS.	
A. BARREL FILTERS.	Cleveland Steam Gauge Co., Cleveland, O. *156
B. COFFEE FILTERS.	Manning, Bowman & Co., Meriden, Conn.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
C. FAUCET FILTERS.	Boston Brass Co., 36 Oliver St,, Boston, Mass.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	Jones Mfg. Co., 234 Franklin St., Boston, Mass.
	Jos. H. Seed, 21 Centre St., New York.
	Stoddard Lock & Mfg. Co., Saybrook, Conn.
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52
D. FELT FILTERS.	Chas. N. Bacon, 52 Federal St., Boston, Mass.
E. STONE FILTERS.	Gate City Stone Filter Co., 46 Murray St., New York.
F. WATER FILTERS.	Albany Steam Trap Co., Albany, N. Y.
	Firm of John Matthews, 1st Av. & 26th St., New York.
	Gate City Stone Filter Co., 46 Murray St., New York.
	Heinz & Munschauer, Buffalo, N. Y.
	O. H. Jewell Filter Co., 73 W. Jackson St., Chicago, Ill.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Jones Mfg. Co., 243 Franklin St., Boston, Mass.

Peck Bros. & Co., New Haven, Conn.
Sidney Shepard & Co., Buffalo, N. Y.

735. FLASKS, TIN.
Hoy & Co., Albany, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

736. FLOOR SCRUBBERS.
D. W. Bosley & Co., 210 Wash. Boul., Chicago, Ill.
J. M. C. Martin's Sons, 109 Fulton St., New York.

737. FLOUR DREDGES.
Buffalo Scale Co., Buffalo, N. Y.
Nicol & Co., 21 River St., Chicago, Ill.

738. FORKS, CULINARY.

A. FISH FORKS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Meriden Britannia Co., Meriden, Conn.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

B. FLESH FORKS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
National Mfg. Co., Worcester, Mass.
Sidney Shepard & Co., Buffalo, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.

C. OLIVE AND PICKLE FORKS, WIRE.
National Mfg. Co., Worcester, Mass.
C. T. Williamson Novelty Co., Newark, N. J.
Woods, Sherwood & Co., Lowell, Mass.

D. TOASTING FORKS, WIRE.
National Mfg. Co., Worcester, Mass.
C. T. Williamson Novelty Co., Newark, N. J.

E. VEGETABLE FORKS.
H. W. Humphrey, Unionville, Conn.
National Mfg. Co., Worcester, Mass.
C. T. Williamson Novelty Co., Newark, N. J.

739. FREEZERS, ICE CREAM.
J. P. Anderson & Co., 614 Filbert St., Philadelphia, Pa.
Clement & Dunbar, 1129 Beach St., Philadelphia, Pa.
Crandall & Godley, 157 Franklin St., New York.
Gooch Freezer Co., 9th & Sycamore Sts., Cincinnati, O.
Kingery Mfg. Co., 9 W. Pearl St., Cincinnati, O.
Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.
Chas. W. Packer, 20 N. 4th St., Philadelphia, Pa.
Shepard Hardware Co., Buffalo, N. Y.
White Mountain Freezer Co., Nashua, N. H.

A. POWER ICE CREAM FREEZERS.
White Mountain Freezer Co., Nashua, N. H.

740. FRIERS, POTATO.
National Mfg. Co., Worcester, Mass
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Wire Goods Co., Worcester, Mass.

741. FUNNELS.
Hoy & Co., Albany, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Meriden Britannia Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

A. COPPER FUNNELS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Palmer Mfg. Co., 290 Pearl St., New York.
Geo. N. Pierce & Co., Buffalo, N. Y.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

742. GAS COOKING APPARATUS.
American Meter Co., 177 Elm St., Cincinnati, O.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.

743. GRATERS.

A. BOX GRATERS.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.

B. COCOANUT GRATERS.
Ames Plow Co., Quincy Hall, Boston, Mass.
J. P. Anderson & Co., 614 Filbert St., Philadelphia, Pa.
Crandall & Godley, 157 Franklin St., New York.

C. HORSERADISH GRATERS.
Ames Plow Co., Quincy Hall, Boston, Mass.
H. N. Hubbard, 96 Chambers St., New York.

D. NUTMEG GRATERS.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

E. REVOLVING GRATERS.
Thos. W. Houchin, 67 Park Place, New York.

F. VEGETABLE GRATERS.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116

744. GRIDDLES.

A. CAKE GRIDDLES.
Clipper Mfg. Co., 543 W. 6th St., Cincinnati, O.
Highland Foundry Co., Boston Highlands, Mass.
Hoy & Co., Albany, N. Y.
F. & L. Kahn & Bros., Hamilton, O.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Patton Mfg. Co., Columbus, O.
John Savery's Son & Co., 97 Beekman St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

B. SOAPSTONE GRIDDLES. Williams & Co., Nashua, N. H.

745. GRIDIRONS.
F. & L. Kahn & Bros., Hamilton, O.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
John Savery's Son & Co., 97 Beekman St., New York.

746. HOLDERS.

A. BROOM HOLDERS.
Eagle Spring Gun Co., Hazleton, Pa.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
J. W. Fiske, 28 Park Place, New York.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Nicol & Co., 23 River St., Chicago, Ill.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.

B. BROOM HOLDERS, BRASS. Palmer Mfg. Co., 290 Pearl St., New York.

C. BROOM HOLDERS, IRON. E. R. Saxton, Buffalo, N. Y.

D. BRUSH HOLDERS. Nicol & Co., 23 River St., Chicago, Ill.

E. MOP HOLDERS.
W. J. Clark & Co., Salem, O. *121
P. & F. Corbin, New Britain, Conn.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
Nicol & Co., 23 River St., Chicago, Ill.
Peabody & Parks, Troy, N. Y.

F. PIE PLATE HOLDERS. John C. Jewett Mfg. Co., Buffalo, N. Y.

G. WHISK BROOM HOLDERS.
Arlington Mfg. Co., 392 Broadway, New York.
H. L. Judd & Co., 87 Chambers St., New York.
Isaac Kaufmann & Bros., 496 Broadway, New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
Lewis Pattberg & Bros., Jersey City, N. J.
Chas. Place, Cambridgeport, Mass.
Royal Case Co., 91 Bedford St., Boston, Mass.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Woods, Sherwood & Co., Lowell, Mass.

747. HOLLOW WARE.
Abendroth Bros., 109 Beekman St., New York.
Albany Stove Co., Albany, N. Y.
Belleville Stove Works, Belleville, Ill.
Budke Mfg. Co., Canonsburg, Pa.
Chamberlain Stove Co., 119 Hunt St., Cincinnati, O.
Cleveland Co-operative Stove Co., Cleveland, O.
Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
Culter & Proctor Stove Co., Peoria, Ill.
Great Western Stove Co., Leavenworth, Kan.
Griswold Mfg. Co., Erie, Pa.
Highland Foundry Co., 139 Pynchon St., Boston, Mass.
Hill, Whitney & Co., 149 Pearl St., Boston, Mass.
F. & L. Kahn & Bros., Hamilton, O.
Keokuk Stove Works, Keokuk, Iowa.
Lithgow Mfg. Co., Louisville, Ky. *56
Magee Furnace Co., 30 Union St., Boston, Mass.
Manning, Bowman & Co., Meriden, Conn.
Marietta Casting Co., Marietta, Pa.
Marietta Hollow Ware & Enamelling Co., Marietta, Pa.
Mount Penn Stove Works, Reading, Pa.
Ohio Stove Co., Portsmouth, O.
Patton Mfg. Co., Columbus, O.
J. S. & M. Peckham, Utica, N. Y.
Rathbone, Sard & Co., Albany, N. Y.
John Savery's Son & Co., 97 Beekman St., New York.
I. A. Sheppard & Co , N. 4th St. & Montgomery Av., Phila., Pa.
Standard Mfg. Co., Pittsburgh, Pa. *49

A. ENAMELLED HOLLOW WARE.
Cribben, Sexton & Co., 77 Lake St., Chicago, Ill.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co , Meriden, Conn.
Marietta Casting Co., Marietta, Pa.
Marietta Hollow Ware & Enamelling Co., Marietta, Pa.
Patton Mfg. Co., Columbus, O.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

B. TINNED HOLLOW WARE.
Manning, Bowman & Co., Meriden, Conn.
Marietta Casting Co., Marietta, Pa.
Marietta Hollow Ware & Enamelling Co., Marietta, Pa.
Patton Mfg. Co., Columbus, O.

748. HOTEL KITCHEN OUTFITS.
Bramhall, Deane & Co., 264 Water St., New York.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
John Van Range Co., 169 Elm St., Cincinnati, O.

749. ICE PICKS.
H. W. Humphrey, Unionville, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.

C. S. Osborne & Co., Newark, N. J.
Palmer Hardware Mfg. Co., Troy, N. Y.
Williams & Marvin, Deep River, Conn.

A. ICE PICK MALLETS.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Williams & Marvin, Deep River, Conn.

750. IRON WARE.
John Savery's Son & Co., 97 Beekman St., New York.

A. BRIGHT IRON WARE.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

B. ENAMELLED IRON WARE.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Standard Mfg. Co., Pittsburgh, Pa. *49

C. GALVANIZED IRON WARE.
James Hill Mfg. Co., Providence, R. I.
Trenton Iron Co., Trenton, N. J.

751. IRONING TABLES.
Horton Mfg. Co., Ft. Wayne, Ind.

752. JAPANNED TIN WARE.
Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Dover Stamping Co., 88 North St., Boston, Mass.
Fleming & Hamilton, Pittsburgh, Pa.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Matthai, Ingram & Co., Baltimore, Md.
Sidney Shepard & Co., Buffalo, N. Y.

753. KETTLES.

A. BRASS KETTLES.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Edward Miller & Co., Meriden, Conn.
Palmer Mfg. Co., 290 Pearl St., New York.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wallace & Son, Ansonia, Conn.
Waterbury Brass Co., Waterbury, Conn.

B. BUTTER KETTLES.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

C. CAMP KETTLES.
Horne & Danz Co., St. Paul, Minn.

D. COPPER KETTLES.
Crandall & Godley, 157 Franklin St., New York.
Palmer Mfg. Co., 290 Pearl St., New York.
Thos. Phillips & Co., Providence, R. I.
D. Picking & Co., Bucyrus, O.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

E. COVERED KETTLES.
Meriden Britannia Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

F. ENAMELLED KETTLES.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

G. FISH KETTLES.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

H. HOTEL KETTLES, STEAM JACKETED.
Bramhall, Deane & Co., 264 Water St., New York.
Wm. H. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.

I. IRON KETTLES.
Samuel Booth, 543 W. 35th St., New York.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill,
Bramhall, Deane & Co., 264 Water St., New York.
Broadway Machine Co., Broadway, Va.
Columbus Iron Works Co., Columbus, Ga.
Defiance Machine Works, Defiance, O.
F. L. Kahn & Bros., Hamilton, O.
Lithgow Mfg. Co., Louisville, Ky. *56
John Savery's Son & Co., 97 Beekman St., New York.

J. MILK KETTLES.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney & Co., 240 Water St., New York.

K. PRESERVING KETTLES.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Marietta Hollow Ware & Enamelling Co., Marietta, Pa.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

L. PUNCH KETTLES.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

M. RANGE KETTLES, BRASS.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

N. RANGE KETTLES, COPPER.
Thos. Phillips & Co., Providence, R. I.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

O. RANGE KETTLES, TIN.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

P. STOVE KETTLES.
Lithgow Mfg. Co., Louisville, Ky. *56
Patton Mfg. Co., Columbus, O.
John Savery's Son & Co., 97 Beekman St., New York.
Jos. Scheider & Co., 219 N. 3d St., Brooklyn, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

	W. H. Sweeney Mfg. Co., 240 Water St., New York.
Q. SWING KETTLES.	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Manning, Bowman & Co., Meriden, Conn.
	Palmer Mfg. Co., 290 Pearl St., New York.
R. TEA KETTLES.	Lithgow Mfg. Co., Louisville, Ky. *56
	Palmer Mfg. Co., 290 Pearl St., New York.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
S. TEA KETTLES, COPPER.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Geo. N. Pierce & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
T. TEA KETTLES, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Patton Mfg. Co., Columbus, O.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
U. TEA KETTLES, TIN.	Hoy & Co., Albany, N. Y.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Manning, Bowman & Co., Meriden, Conn.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Geo. N. Pierce & Co., Buffalo, N. Y.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Troy Stamping Works, Troy, N. Y.
V. TEA KETTLES & STANDARDS.	Meriden Bronze Co., Meriden, Conn.
754. KITCHEN WOODEN WARE.	
	Richmond Cedar Works, Ltd., Richmond, Va.
	Union Mfg. Co., Toledo, O.
755. KNEADING MACHINES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
756. KNIFE RESTS, WIRE.	National Mfg. Co., Worcester, Mass.
	Woods, Sherwood & Co., Lowell, Mass.
757. KNIFE SHARPENERS.	Landers, Frary & Clark, New Britain, Conn.
	New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
	F. R. Woodward, Hill, N. H.
A. KNIFE POLISHERS.	Towel Rack & Novelty Mfg. Co., Providence, R. I
B. SCISSORS SHARPENERS.	Model Mfg. Co. of Pa., 197 Huntington St., Philadelphia, Pa.
758. LADLES.	
A. ENAMELLED LADLES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
B. ICE CREAM LADLES.	Crandall & Godley, 157 Franklin St., New York.
	Meriden Britannia Co., Meriden, Conn.
	Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.
C. SOUP LADLES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Meriden Britannia Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
D. TIN LADLES.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
759. LAP BOARDS.	Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
	Ripley Mfg. Co., Unionville, Conn.
	Wilkinson Mfg. Co., Binghamton, N. Y.
A. FOLDING LAP BOARDS.	Maine Mfg. Co., Fairfield, Me.
	Wilkinson Mfg. Co., Binghamton, N. Y.
760. LEMON SQUEEZERS.	Chalfant Mfg. Co., Atglen, Pa.
	E. S. Hotchkiss, Bridgeport, Conn.
	Wm. P. Kellogg, Troy, N. Y.
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	Ripley Mfg. Co., Unionville, Conn.
	Tower & Lyon, 95 Chambers St., New York.
	Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
	Union Porcelain Works, 300 Eckford St., Brooklyn, N. Y.
A. GLASS LEMON SQUEEZERS.	Max Loewenstein, 500 Broome St., New York.
	Silver & Co., 56 Warren St., New York.
B. LEMON DRILLS.	Nicol & Co., 23 River St., Chicago, Ill.
761. LIFTERS, KITCHEN.	
A. PIE LIFTERS & TURNERS.	New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
B. PIE PLATE LIFTERS.	Fred. J. Meyers Mfg. Co., Covington, Ky.
C. WIRE PLATE LIFTERS.	Woods, Sherwood & Co., Lowell, Mass.
762. MATCH SAFES.	
A. BRASS MATCH SAFES.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	Bridgeport Brass Co., Bridgeport, Conn. *27
	Bristol Brass & Clock Co., Forestville, Conn.

	P. & F. Corbin, New Britain, Conn.
	E. S. Johnson & Co., 26 Maiden Lane, New York.
	H. L. Judd & Co., 87 Chambers St., New York.
	J. F. Kitchell Mfg. Co., Newark, N. J.
	Landers, Frary & Clark, New Britain, Conn.
	Meriden Britannia Co., Meriden, Conn.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Peck, Stow & Wilcox Co., Southington, Conn.
	Steele Johnson Mfg. Co., Waterbury, Conn.
	J. & E. Stevens, Cromwell, Conn.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
	Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.
B. ENAMELLED MATCH SAFES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
C. LUMINOUS MATCH SAFES.	Bridgeport Brass Co., Bridgeport, Conn. *27
	Enterprise Mfg. Co., Akron, O.
	Weeden Mfg. Co., New Bedford, Mass.
D. TIN MATCH SAFES.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
763. MEAT MIXERS.	Murray Iron Works Co., Burlington, Iowa.
764. MOPS.	Bromwell Brush & Wire Goods Co., 181 Walnut St., Cinn., O.
	Eastwood Wire Mfg. Co., Belleville, N. J.
	Wire Goods Co., Worcester, Mass.
765. MOP WRINGERS.	Colby Wringer Co., Montpelier, Vt.
766. MOULDS.	
A. CAKE MOULDS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
B. ICE CREAM MOULDS.	Crandall & Godley, 157 Franklin St., New York.
	Valentine Clad, 117 S. 11th St., Philadelphia, Pa.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Thos. Mills & Bros., 1301 N. 8th St., Philadelphia, Pa.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago. Ill.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
C. JELLY MOULDS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
D. PUDDING MOULDS.	Lalance & Grosjean Mfg. Co., 19 Cliff St.. New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
767. MUGS, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
768. NUT CRACKERS.	Acme Shear Co., Bridgeport, Conn.
	Humason & Beckley Mfg. Co., New Britain, Conn.
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	Meriden Britannia Co., Meriden, Conn.
	Meriden Cutlery Co., Meriden, Conn.
	C. S. Osborne & Co., Newark, N. J.
	John Russell Cutlery Co., Turner's Falls, Mass.
	Turner & Seymour Mfg. Co., Torrington, Conn.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
769. OILS TOVE UTENSILS.	Central Oil Stove Co., Florence, Mass.
	Monitor Oil Stove Co., Cleveland, O.
770. PAILS.	
A. BATTER PAILS.	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
B. CHAMBER PAILS.	Manning, Bowman & Co., Meriden, Conn.
	Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O
C. CHAMBER PAILS, ENAMELLED.	Buhl Stamping Co., Detroit, Mich.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
D. CHAMBER PAILS, FIBRE.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
E. CHAMBER PAILS, GALVANIZED.	Jas. Hill Mfg. Co., Providence, R. I.
	Iron Clad Mfg. Co., 22 Cliff St., New York.
F. COMMODE PAILS, FIBRE.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
G. COVERED PAILS.	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
H. DINNER PAILS.	Hoy & Co., Albany, N. Y.

	Matthai, Ingram & Co., Baltimore, Md.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
I. GARBAGE PAILS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
J. INDURATED FIBRE PAILS.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
K. IRON PAILS, GALVANIZED.	Jas. Hill Mfg. Co., Providence, R. I.
	Iron Clad Mfg. Co., 22 Cliff St., New York.
L. MILK PAILS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
M. MILK STRAINER PAILS.	Hoy & Co., Albany, N. Y.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
N. PAILS & COVERS, GALVANIZED.	Iron Clad Mfg. Co., 22 Cliff St., New York.
O. PAPER PAILS.	American Paper Pail & Box Co., 21 Rose St., New York.
	Crume & Sefton Mfg. Co., Dayton, O.
	Dimock, Gould & Co., Moline, Ill.
	H. O. Johnson, Medina, N. Y.
	J. S. Nugent & Co., 16 Reade St., New York.
	C. P. Poole & Co., 225 N. Front St., Philadelphia, Pa.
P. RUBBER PAILS.	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Q. SLOP PAILS.	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
R. VALVE PAILS, GALVANIZED.	Iron Clad Mfg. Co., 22 Cliff St., New York.
S. WATER PAILS, ENAMELLED.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
T. WATER PAILS, FIBRE.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
U. WATER PAILS, TIN.	Chicago Stamping Co., 10 Lake St., Chicago, Ill.
	Hoy & Co., Albany, N. Y.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
V. WATER PAILS WOOD.	Bousfield Wooden Ware Co., Minneapolis, Minn.
	L. H. Mace & Co., 111 E. Houston St., New York.
	Richmond Cedar Works, Ltd., Richmond, Va.

771. PANS.

A. BAKING PANS.	W. A. Daggett & Co., Vineland, N. J.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Patton Mfg. Co., Columbus, O.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Shepard Hardware Co., Buffalo, N. Y.
B. BREAD PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Patton Mfg. Co., Columbus, O.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Troy Stamping Works, Troy, N. Y.
C. CAKE PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
D. CORN CAKE PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Sidney Shepard & Co., Buffalo, N. Y.
	Troy Stamping Works, Troy, N. Y.
E. CRUMB PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
F. DEEP DISH PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Troy Stamping Works, Troy, N. Y.
G. DUST PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Troy Stamping Works, Troy, N. Y.
H. DUST PANS, CIRCULAR.	Wilmot Castle & Co., Rochester, N. Y.
I. EGG FRY PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
J. FLOOR PANS.	Excelsior Mfg. Co., Pittsburgh, Pa.
K. FRY PANS.	Iron Clad Mfg. Co., 22 Cliff St., New York.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Palmer Mfg. Co., 290 Pearl St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
L. LADY FINGER PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
M. MILK PANS.	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Troy Stamping Works, Troy, N. Y.
N. MUFFIN PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Matthai, Ingram & Co., Baltimore, Md.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
O. PATTY PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
P. PUDDING PANS.	Edmands & Hooper, Charlestown, Mass.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Q. REFRIGERATOR PANS.	James Hill Mfg. Co., Providence, R. I.
	Iron Clad Mfg. Co., 22 Cliff St., New York.
	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
R. SAUCEPANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Patton Mfg. Co., Columbus, O.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
S. SAUCEPANS, COPPER.	Manning, Bowman & Co., Meriden, Conn.
	Thos. Phillips & Co., Providence, R. I.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
	John Van Range, 169 Elm St., Cincinnati, O.
T. SELF BASTING PANS.	Jas. Stroud, 528 6th Av., New York.
U. STEW PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Palmer Mfg. Co., 290 Pearl St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
V. STEW PANS, COPPER.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Geo. N. Pierce & Co., Buffalo, N. Y.
W. STOVE PANS.	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
X. TART PANS.	Thos. Phillips & Co., Providence, R. I.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Y. TORTILLA PANS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Z. WIRE & IRON PANS.	J. W. Ruger & Co., Buffalo, N. Y.
772. PAN GRATES, WIRE.	National Mfg. Co., Worcester, Mass.
	Wire Goods Co., Worcester, Mass.
	Woods, Sherwood & Co., Lowell, Mass.
773. PITCHERS.	
A. BEER PITCHERS.	Manning, Bowman & Co., Meriden, Conn.
	Meriden Britannia Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
B. ENAMELLED PITCHERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
C. MILK PITCHERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
D. MOLASSES PITCHERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	New Brighton Glass Co., New Brighton, Pa. *24
E. PAPER PITCHERS.	Jennings Bros., Fairfield, Conn.
F. TIN PITCHERS.	Sidney Shepard & Co , Buffalo, N. Y.
	Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.
774. PLANISHED WARE.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
775. PLATES, KITCHEN.	
A. ENAMELLED PLATES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
B. LETTERED PLATES.	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
C. PIE PLATES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.

D. SOUP PLATES. Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

E. TIN PLATES. Burger & Lee, 376 Greenwich St., New York.
Crandall & Godley, 157 Franklin St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.

F. WOODEN PLATES. Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Crume & Sefton Mfg. Co., Dayton, O.
C. L. King & Co., Montague, Mich.
Smith & Stevens Mfg. Co., 83 Murray St., New York.

776. POTS.

A. BEER POTS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

B. COFFEE & TEA POTS. Wilmot Castle & Co., Rochester, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
Paine, Diehl & Co., 1430 S. Pennsylvania Sq., Phila., Pa.
Palmer, Mfg. Co., 290 Pearl St., New York.
Frank Ricker, 69 Warren St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.

C. COOKING POTS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Lithgow Mfg. Co., Louisville, Ky. *56
John Savery's Son & Co., 97 Beekman St., New York.
Standard Mfg. Co., Pittsburgh, Pa. *49

D. IRON POTS. Samuel Booth, 543 W. 35th St., New York.
F. & L. Kahn & Bro., Hamilton, O.
Lithgow Mfg. Co., Louisville, Ky. *56
John Savery's Son & Co., 97 Beekman St., New York.

E. MARKING POTS. Hoggson & Pettis Mfg. Co., New Haven, Conn.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.

F. SAUCE POTS. St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

G. SOUP STOCK POTS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

H. STOVE POTS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

I. WATERING POTS. Iron Clad Mfg. Co., 22 Cliff St., New York.
S. Obermayer F. S. Mfg. Co., Evans St., S. of 8th St., Cin., O. *54
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Wm. Vogel & Bro., 37 S. 9th St., Brooklyn N. Y.

777. POT HOOKS. John Savery's Son & Co., 97 Beekman St., New York.

778. PRESSES, DOMESTIC. M. L. Edwards Mfg. Co., Salem, O.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
Shepard Hardware Co., Buffalo, N. Y.

779. REVOLVING FLY FANS. Matthai, Ingraham & Co., Baltimore, Md.

780. ROLLING PINS. E. B. Estes & Sons, 254 Pearl St., New York.
John H. Sunderman & Co., Quincy, Ill.
John Sommer's Son, Newark, N. J.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Kimball Mfg. Co., 129 Portland St., Boston, Mass.
Williams & Marvin, Deep River, Conn.

781. SAFES, KITCHEN

A. CHEESE SAFES. E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.

B. MEAT SAFES. Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Campbell & Co., Chattanooga, Tenn.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Howard & Morse, 45 Fulton St., New York.
J. W. Mason & Co., 375 Pearl St., New York.

C. PROVISION SAFES. W. P. Brewer, Birmingham, Ala.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
Mattoon Mfg. Co., Sheboygan, Wis.
Robert Mitchell Furn. Co., 111 W. 4th St., Cincinnati, O.

782. SIEVES.

A. ASH SIEVES. L. H. Allen, Amherst, Mass.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Sidney Shepard & Co., Buffalo, N. Y.

B. ASH SIEVES, AUTOMATIC. Towel Rack Novelty Mfg. Co., Providence, R. I.

C. FLOUR SIEVES. Gilbert & Bennett Mfg. Co., Georgetown, Conn.

Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Wickwire Bros., Cortland, N. Y.

D. FLOUR SIFTERS. Chicago Stamping Co., 10 Lake St., Chicago, Ill.
J. H. Day & Co., Broadway & Eggleston Av., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
Paine, Diehl & Co., 1430 S. Pennsylvania Sq., Philadelphia, Pa.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

E. SIFTER SHOVELS. Jos. H. Seed, 21 Centre St., New York.

783. SKILLETS. F. & L. Kahn & Bros., Hamilton, O.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
John Savery's Son & Co., 97 Beekman St., New York.

784. SKIMMERS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
National Mfg. Co., Worcester, Mass.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

785. SLICERS, KITCHEN.

A. BREAD & CAKE SLICERS. Landers, Frary & Clark, New Britain, Conn.

B. EGG SLICERS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

C. PINEAPPLE SLICERS. Sinclair-Scott Mfg. Co., Baltimore, Md. *116

D. POTATO SLICERS. Goodell Co., Antrim, N. H.
Landers, Frary & Clark, New Britain, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.

E. REVOLVING SLICERS. Thos. W. Houchin, 67 Park Place, New York.
National Mfg. Co., Lancaster, Pa.

F. VEGETABLE SLICERS. Enterprise Mfg. Co. of Pa., N. 3d & Dauphin St., Phila., Pa.

786. SLOP JARS.

A. ENAMELLED SLOP JARS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.

B. FIBRE SLOP JARS. St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Standard Fiber-Ware Co., Mankato, Minn.
Syracuse Fibre Ware Co., Syracuse, N. Y.

C. HOTEL SLOP JARS. St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.

D. TIN SLOP JARS. John C. Jewett Mfg. Co., Buffalo, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.

787. SOAP SHAKERS. Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
C. T. Williamson Wire Novelty Co., Newark, N. J.

788. SOUP TUREENS. Lalance & Grosjean Mfg. Co., 19 Cliff St.. New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.

789. SPICE CHESTS. Sidney Shepard & Co., Buffalo, N. Y.

790. SPIDERS. Highland Foundry Co., Boston Highlands, Mass.
Patton Mfg. Co., Columbus, O.
John Savery's Son & Co., 97 Beekman St., New York.

791. SPITTOONS. Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manhattan Brass Co., 338 E. 28th St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
John Savery's Son & Co., 97 Beekman St., New York.
Syracuse Fibre Ware Co., Syracuse, N. Y.

A. FIBRE SPITTOONS. Standard Fiber-Ware Co., Mankato, Minn.
Syracuse Fibre Ware Co., Syracuse, N. Y.

B. IRON SPITTOONS. Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
John Savery's Son & Co., 97 Beekman St., New York.

C. PAPER SPITTOONS. Jennings Bros., Fairfield, Conn.

D. RUBBER SPITTOONS. Boston Rubber Co., 9 Otis St., Boston, Mass.
Conant Rubber Co., Hartford, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.

792. SPOONS, KITCHEN.

A. BASTING SPOONS. Arlington Mfg. Co., 392 Broadway, New York.
H. W. Humphrey, Unionville, Conn.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
B. PEACH PITTING SPOONS.	Sinclair-Scott Mfg. Co., Baltimore, Md. *116
C. STEEL SPOONS & FORKS.	Acme Shear Co., Bridgeport, Conn.
D. TIN SPOONS.	H. W. Humphrey, Unionville, Conn.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
793. STAMPED WARE.	Bellaire Stamping Co., Bellaire, O.
	Central Stamping Co., 25 Cliff St., New York.
	Fleming & Hamilton, Pittsburgh, Pa.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Matthai, Ingram & Co., Baltimore, Md.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
794. STANDS.	
A. DISH STANDS, WIRE.	Woods, Sherwood & Co., Lowell, Mass.
B KETTLE STANDS.	Geiger & Bush, Bucyrus, O.
C SUGAR & FLOUR STANDS.	Mount Washington Glass Co., New Bedford, Mass.
	St. Louis Stamping Co., Cass Av. & 2d St., St., Louis, Mo.
D. TEA & COFFEE POT STANDS.	Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
	Chalfant Mfg. Co., Atglen, Pa.
	H. L. Judd & Co., 87 Chambers St., New York.
	Landers, Frary & Clark, New Britain, Conn.
	Manning, Bowman & Co., Meriden, Conn.
	Meriden Britannia Co., Meriden, Conn.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	National Mfg. Co., Worcester, Mass.
	Patton Mfg. Co., Columbus, O.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Shepard Hardware Co., Forest Av. & Erie Canal, Buffalo, N. Y.
	Stover Mfg. Co., Freeport, Ill.
	Woods, Sherwood & Co., Lowell, Mass.
E. TILE TABLE STANDS.	Low Art Tile Co., Chelsea, Mass.
	Manning, Bowman & Co., Meriden, Conn.
F. WATER COOLER STANDS.	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Landers, Frary & Clark, New Britain, Conn.
	Stanley Rule & Level Co., New Britain, Conn.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Williams & Marvin, Deep River, Conn.
795. STEAK HAMMERS.	R. H. Brown & Co., New Haven, Conn.
	Ripley Mfg. Co., Unionville, Conn.
	N. R. Streeter & Co., Groton, N. Y.
A. STEAK MAULS, WOOD.	Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
B. STEAK MAULS & ICE PICKS COMBINED.	Nicol & Co., 23 River St., Chicago, Ill.
796. STEAMERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
A. BROWN BREAD STEAMERS.	McDowell Oven & Furnace Co., 64 Pitts St., Boston, Mass.
797. STERILIZERS.	Wilmot Castle & Co., Rochester, N. Y.
798. STOVE SCRAPERS.	Gilbert & Bennett Mfg. Co., Georgetown, Conn.
799. STRAINERS.	
A. CUP STRAINERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	National Mfg. Co., Worcester, Mass.
B. FAUCET STRAINERS.	O. H. Jewell Filter Co., 73 W. Jackson St., Chicago, Ill.
	National Mfg. Co., Worcester, Mass.
	Woods, Sherwood & Co., Lowell, Mass.
C. GRAVY STRAINERS.	National Mfg. Co., Worcester, Mass.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
D. MILK STRAINERS.	Iron Clad Mfg. Co., 22 Cliff St., New York.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	Sidney Shepard & Co., Buffalo, N. Y.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
E. TEA OR COFFEE STRAINERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Meriden Britannia Co., Meriden, Conn.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	National Mfg. Co., Worcester, Mass.
	Frank Ricker, 69 Warren St., New York.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
	Woods, Sherwood & Co., Lowell, Mass.
F. TODDY STRAINERS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	National Mfg. Co., Worcester, Mass.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass

G. WIRE STRAINERS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
C. O. Jelliff & Co., Southport, Conn.
National Mfg. Co., Worcester, Mass.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Woods, Sherwood & Co., Lowell, Mass.

800. SWAB HOLDERS, WIRE. C. T. Williamson Wire Novelty Co., Newark, N. J.

801. TABLE MATS.

A. WIRE TABLE MATS.
Manning, Bowman & Co., Meriden, Conn.
National Mfg. Co., Worcester, Mass.
Woods, Sherwood & Co., Lowell, Mass.

B. WOOD TABLE MATS.
L. H. Mace & Co., 111 E. Houston St., New York.

802. TEA BALLS.
Meriden Britannia Co., Meriden, Conn.
National Mfg. Co., Worcester, Mass.
Wallace & Sons Mfg. Co., Wallingford, Conn.
Woods, Sherwood & Co., Lowell, Mass.

803. TEA STEEPERS.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
Sidney Shepard & Co., Buffalo, N. Y.

804. TIN WARE.
Bellaire Stamping Co., Bellaire, O.
David Block, 62 Elizabeth St., New York.
Central Stamping Co., 25 Cliff St., New York.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Cincinnati Stamping Co., 386 Walnut St., Cincinnati, O.
Cincinnati Tin & Japan Co., 174 Main St., Cincinnati, O.
Dover Stamping Co., 88 North St., Boston, Mass.
C. H. Fisk, Syracuse, N. Y.
Fleming & Hamilton, Pittsburgh, Pa.
W. A. Gill & Co., Columbus, O.
Jas. Hill Mfg. Co., Providence, R. I.
Horne & Danz Co., St. Paul, Minn.
H. B. Hunt, Cleveland, O.
Kieckhefer Bros. & Co., Milwaukee, Wis.
Kimball Mfg. Co., 129 Portland St., Boston, Mass.
Manning, Bowman & Co., Meriden. Conn.
Matthai, Ingram & Co., Baltimore, Md.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
John Savery's Son & Co., 97 Beekman St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

A. ANTI-RUSTING TIN WARE.
Clifton Springs Mfg. Co., Clifton Springs, N. Y.
Matthai, Ingram & Co., Baltimore, Md.

B. HEAVY TIN WARE.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Matthai, Ingram & Co., Baltimore, Md.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.

C. JAPANNED TIN WARE.
David Block, 62 Elizabeth St., New York.
Cincinnati Stamping Co., 386 Walnut St., Cincinnati, O.
H. Haller Mfg. Co., New Orleans, La.
Horne & Danz Co., St. Paul, Minn.
Hoy & Co., Albany, N. Y.
Matthai, Ingram & Co., Baltimore, Md.
Jos. Scheider & Co., 119 S. 3d St., Brooklyn, N. Y.
Troy Stamping Works, Troy, N. Y.
H. Wetter Mfg. Co., Memphis, Tenn.

D. ORNAMENTED TIN WARE.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Matthai, Ingram & Co., Baltimore, Md.
Somers Bros., 3d Av. cor. 3d St., Brooklyn, N. Y.
Troy Stamping Works, Troy, N. Y.

E. PIECED TIN WARE.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Horne & Danz Co., St. Paul, Minn.
Matthai, Ingram & Co., Baltimore, Md.
Sidney Shepard & Co., Buffalo, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
H. Wetter Mfg. Co., Memphis, Tenn.

F. STAMPED TIN WARE.
David Block, 62 Elizabeth St., New York.
Central Stamping Co., 25 Cliff St., New York.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Cincinnati Stamping Co., 386 Walnut St. Cincinnati, O.
H. Haller Mfg. Co., New Orleans, La.
Horne & Danz Co., St. Paul, Minn.
Hoy & Co., Troy, N. Y.
Matthai, Ingram & Co., Baltimore, Md.
Sidney Shepard & Co., Buffalo, N. Y.
Troy Stamping Works, Troy, N. Y.
H. Wetter Mfg. Co., Memphis, Tenn.

805. TOASTERS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cinn., O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.

Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Shepard Hardware Co., Buffalo, N. Y.
Woods, Sherwood & Co., Lowell, Mass.

806. TOAST RACKS.
Meriden Britannia Co., Meriden, Conn.
National Mfg. Co., Worcester, Mass.
Woods, Sherwood & Co., Lowell, Mass.

807. TOILET STANDS, COMPLETE.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. W. Fiske, 28 Park Place, New York.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Oakes & Burger, Cattaraugus, N. Y.
John A. Otto's Sons, Williamsport, Pa.

808. TOILET WARE, METAL.
Novelty Mfg. Co., Waterbury, Conn.
Geo. N. Pierce & Co., Buffalo, N. Y.

A. ENAMELLED TOILET WARE.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

B. TIN TOILET WARE.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.

809. TOWEL HOLDERS.
Post & Co., 217 W. 4th St., Cincinnati, O.
Jos. H. Seed, 21 Centre St., New York.

810. TRAYS.

A. BRASS TRAYS.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Bristol Brass & Clock Co., Forestville, Conn.
Manning, Bowman & Co., Meriden, Conn.
Palmer Mfg. Co., 290 Pearl St., New York.

B. BREAD TRAYS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

C. BUTLERS' TRAYS, COMPLETE.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.

D. CHILD'S TRAYS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wallace & Sons Mfg. Co , Wallingford, Conn.

E. CRUMB TRAYS.
Bristol Brass & Clock Co., Forestville, Conn.
John C. Jewett Mfg. Co., Buffalo, N. Y.
J. F. Kitchell Mfg. Co., Newark, N. J.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
Palmer Mfg. Co., 290 Pearl St., New York.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.

F. DRIP TRAYS.
Haydenville Mfg. Co., 73 Beekman St., New York.

G. ENAMELLED TRAYS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

H. FOLDING TRAYS.
J. W. Mason & Co., 375 Pearl St., New York.
Herbert S. Smith, 102 William St., New York.

I. KNIFE TRAYS.
A. B. Hauck, Lebanon, Pa.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
L. H. Mace & Co., 111 E. Houston St., New York.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Union Mfg. Co., Toledo, O.

J. MIRROR TRAYS.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.

K. TEA TRAYS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Manning, Bowman & Co., Meriden, Conn.
C. B. Porter, 128 N. 2d St., Philadelphia, Pa.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

L. TIN TRAYS.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Leo. Schlesinger & Co., 129 Crosby St., New York.
Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.

811. TUBS.

A. CEDAR TUBS.
Richmond Cedar Works, Ltd., Richmond, Va.

B. FIBRE TUBS.
Standard Fiber-Ware Co., Mankato, Minn.
Syracuse Fibre Ware Co., Syracuse, N. Y.

C. KEELERS, CEDAR.
Richmond Cedar Works, Ltd., Richmond, Va.

D. KEELERS, FIBRE.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
E. KEELERS, PAPER.	Jennings Bros., Fairfield, Conn.
F. WASH TUBS.	Beaver Mills, Keene, N. H.
	Bousfield Wooden Ware Co., Minneapolis, Minn.
	Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
	E. L. Goodrich & Co., Fair Haven, Vt.
	Menasha Wooden Ware Co., Menasha, Wis.
	Richmond Cedar Works, Ltd., Richmond, Va.
G. WOODEN TUBS.	Beaver Mills, Keene, N. H.
	Bousfield Wooden Ware Co., Minneapolis, Minn.
	Menasha Wooden Ware Co., Menasha, Wis.
	Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
812. TUMBLER WARMERS.	John C. Jewett Mfg. Co., Buffalo, N. Y.
	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Palmer Mfg. Co., 290 Pearl St., New York.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
813. URNS.	
A. COPPER URNS.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Manning, Bowman & Co., Meriden, Conn.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
B. ENAMELLED URNS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Simonds, Tyrrell & Co., 218 Washington St , Chicago, Ill.
C. RESTAURANT URNS.	Manning, Bowman & Co., Meriden, Conn.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
D. STEAM URNS.	Wilmot Castle & Co., Rochester, N. Y.
	Manning, Bowman & Co., Meriden, Conn.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
E. STOVE URNS.	Dayton Mfg. Co., Dayton, O.
	Manning, Bowman & Co., Meriden, Conn.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
F. TEA & COFFEE URNS.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Bramhall, Deane & Co., 264 Water St., New York.
	Wilmot Castle & Co., Rochester, N. Y.
	Valentine Clad, 117 S. 11th St., Philadelphia, Pa.
	Crandall & Godley, 157 Franklin St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	Frank Ricker, 69 Warren St., New York.
	Simonds, Tyrrell & Co., 218 Washington St., Chicago, Ill.
	W. H. Sweeney Mfg. Co., 240 Water St., New York.
	John Van Range Co., 169 Elm St., Cincinnati, O.
814. VAPORIZERS.	Sherman "King" Vaporizer Co., Chicopee Falls, Mass. *176
815. VEGETABLE MASHERS.	
A. POTATO MASHERS.	Chalfant Mfg. Co., Atglen, Pa.
	H. W. Humphrey, Unionville, Conn.
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
	N. R. Streeter & Co., Groton, N. Y.
B. POTATO MASHERS, WIRE.	Bromwell Brush & Wire Goods Co., 141 Walnut St., Cincinnati, O.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	National Mfg. Co., Worcester, Mass.
	Woods, Sherwood & Co., Lowell, Mass.
C. POTATO MASHERS, WOOD.	Paine, Diehl & Co., 1430 S. Penn St., Philadelphia, Pa.
	Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
	Williams & Marvin, Deep River, Conn.
816. WAFFLE IRONS.	Griswold Mfg. Co., Erie, Pa.
	F. & L. Kahn & Bros., Hamilton, O.
	Patton Mfg. Co., Columbus, O.
	John Savery's Son & Co., 97 Beekman St., New York.
817. WASH BASINS.	
A. BRASS WASH BASINS,	Ansonia Brass & Copper Co., Ansonia, Conn. *211
	Waterbury Brass Co., Waterbury, Conn.
B. COPPER WASH BASINS.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	Ansonia Brass & Copper Co., Ansonia, Conn. *211
	Palmer Mfg. Co., 290 Pearl St., New York.
C. ENAMELLED WASH BASINS.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
	Manning, Bowman & Co., Meriden, Conn.
	St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
D, FIBRE WASH BASINS.	Standard Fiber-Ware Co., Mankato, Minn.
	Syracuse Fibre Ware Co., Syracuse, N. Y.
E. PAPER WASH BASINS.	Jennings Bros., Fairfield, Conn.

F. TIN WASH BASINS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

818. WATER CARRIERS.
John C. Jewett Mfg. Co., Buffalo, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

819. WINDOW CLEANERS.
D. W. Bosley & Co., 210 Wash. Boul., Chicago, Ill.
Conant Rubber Co., Hartford, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Towel Rack & Novelty Mfg. Co., Providence, R. I.

XXI. JEWELRY.

820. BADGES.

A. GOLD BADGES.
C. G. Braxmar, 47 Cortlandt St., New York. *66
Durand & Co., Newark, N. J.
Henry Guild & Sons, 433 Washington St., Boston, Mass.
Chas. F. Irons, 102 Friendship St., Providence, R. I.
J. & R. Lamb, 59 Carmine St., New York.
S. D. Mills Jewelry Co., Kansas City, Mo.
Chas. A. Russell & Co., Providence, R. I.
E. R. Stockwell, 19 John St., New York.

B. SILVER BADGES.
C. G. Braxmar, 47 Cortlandt St., New York. *66
Durand & Co., Newark, N. J.
Henry Guild & Son, 433 Washington St., Boston, Mass.
J. & R. Lamb, 59 Carmine St., New York.
Lane Mfg. Co., Waterbury, Conn.
E. R. Stockwell, 19 John St., New York.

821. BANGLES.
T. W. Adams & Co., Newark, N. J.
Alling & Co., Newark, N. J.
Day & Clark, Newark, N. J.
Durand & Co., Newark, N. J.
S. E. Fisher & Co., N. Attleboro', Mass.
E. I. Franklin & Co., N. Attleboro', Mass.
A. Alling Reeves, Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
Snow & Westcott, Providence, R. I.
W. E. White & Co., 54 Page St., Providence, R. I.

A. STERLING BANGLES
H. F. Barrows & Co., N. Attleboro', Mass.
S. Cottle Co., 31 Union Square, New York.
Durand & Co., Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.

822. BARS, CHAIN.
H. F. Barrows & Co., N. Attleboro', Mass.
Bridgeport Chain Co., Bridgeport, Conn.
Geo. H. Fuller & Son, Pawtucket, R. I.
Hamilton & Hamilton, Jr., Providence, R. I.
Larter, Elcox & Co., 363 Mulberry St., Newark, N. J.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
E. Ira Richards & Co., 200 Broadway, New York.

823. BEADS, CORAL.
S. M. Lewis & Co., 108 Eddy St., Providence, R. I.

824. BRACELETS.
T. W. Adams & Co., Newark, N. J.
Wm. H. Ball & Co., Newark, N. J.
H. F. Barrows & Co., N. Attleboro', Mass.
Bates & Bacon, Attleboro', Mass.
W. & S. Blackinton, Attleboro', Mass,
M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Codding Bros., N. Attleboro', Mass.
S. Cottle Co., 860 Broadway, New York.
Daggert & Clapp, Attleboro', Mass.
Day & Clark, Newark, N. J.
Durand & Co., Newark, N. J.
S. E. Fisher & Co., N. Attleboro', Mass.
Foster & Bailey, 60 Richmond St., Providence, R. I.
E. I. Franklin & Co., N. Attleboro', Mass.
A. J. Hedges & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.

F. P. Locklin & Bro., 202 Broadway, New York.
Wm. H. Luther & Son, 214 Oxford St., Providence, R. I.
Marsh & Bigney, Attleboro', Mass.
Frank Manser & Co., N. Attleboro', Mass.
H. D. Merritt & Co., N. Attleboro', Mass.
Alex. Milne & Co., Newark, N. J.
R. L. Moorhead & Co., Providence, R. I.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Potter & Buffington, Providence, R. I.
A. Alling Reeves, Newark, N. J.
Reynolds Jewelry Co., 13 Mason St., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Wm. Riker, 860 Broadway, New York.
Sandland, Capron & Co., N. Attleboro', Mass.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Snow & Westcott, Providence, R. I.
Sterling Co., Providence, R. I.
Geo. L. Vose & Co., Providence, R. I.
Wade, Davis & Co., Plainville, Mass.
Waite, Mathewson & Co., 102 Orange St., Providence R. I.
W. E. White & Co., 54 Page St., Providence, R. I.
E. Whitney & Co., Attleboro' Falls, Mass.
F. M. Whiting & Co., N. Attleboro', Mass.

A. BAND BRACELETS.
T. W. Adams & Co., Newark, N. J.
Durand & Co., Newark, N. J.
Hamilton & Hamilton, Jr., 226 Eddy St., Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
E. Ira Richards & Co., 200 Broadway, New York.
W. E. White & Co., Providence, R. I.

B. BLACK ONYX BRACELETS.
Cox & Sedgwick Mfg. Co., 26 John St., New York.

C. SILVER BRACELETS.
H. F. Barrows & Co., N. Attleboro', Mass.
W. & S. Blackington, Attleboro', Mass.
Durand & Co., Newark, N. J.
Wm. M. Fisher & Co., Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
E. Ira Richards & Co., 200 Broadway, New York.

D. TORTOISE SHELL BRACELETS.
A. Trenkmann, 241 Centre St., New York.

E. WIRE BRACELETS.
Durand & Co., Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
A. Alling Reeves, Newark, N. J.

825. BROOCHES.
T. W. Adams & Co., Newark, N. J.
Block & Bergfels, Newark, N. J.
Carter, Sloan & Co., 15 Maiden Lane, New York.
G. W. Cheever & Co., N. Attleboro', Mass.
Crossin & Tucker, Providence, R. I.
Daggett & Clap, Attleboro', Mass.
Day & Clark, 10 Maiden Lane, New York.
Durand & Co., Newark, N. J.
S. E. Fisher & Co., N. Attleboro', Mass.
E. I. Franklin & Co., N. Attleboro', Mass.
A. J. Hedges & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
Wm. H. Luther & Son, Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Plainville Stock Co., Plainville, Mass.
Potter & Buffington, Providence, R. I.
A. Alling Reeves, Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
John A. Riley & Sloan Co., 860 Broadway, New York.
Sexton Bros. & Washburn, 41 Maiden Lane, New York.
Snow & Westcott, Providence, R. I.
Sterling Co., Providence, R. I.
Wade, Davis & Co., Plainville, Mass.
W. E. White & Co., 54 Page St., Providence, R. I.
E. Whitney & Co., Attleboro' Falls, Mt. Found, Mass.

A. MINIATURE BROOCHES.
Durand & Co., 49 Franklin St., Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
J. A. Riley & Sloan Co., 860 Broadway, New York.
Snow & Westcott, Providence, R. I.

826. BUCKLES.

A. BELT & HAT BUCKLES.
Durand & Co., 49 Franklin St., Newark, N. J.
Frank Manser & Co., N. Attleboro', Mass.

B. GARTER BUCKLES.

E. Ira Richards & Co., 200 Broadway, New York.
F. M. Whiting & Co., N. Attleboro', Mass.
H. F. Barrows & Co., N. Attleboro', Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Durand & Co., 49 Franklin St., Newark, N. J.
A. J. Hedges & Co., Newark, N. J.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
E. Ira Richards & Co., 200 Broadway, New York.
Sterling Co., Providence, R. I.

827. BUTTONS.

A. CELLULOID CUFF BUTTONS.

Celluloid Co., Newark, N. J. *252
E. Ira Richards & Co., 200 Broadway, New York.
Short, Nerney & Co., Attleboro', Mass.

B. COLLAR & CUFF BUTTONS.

S. W. Adams & Co., Newark, N. J.
Alling & Co., Newark, N. J.
B. A. Ballou & Co., Providence, R. I.
H. F. Barrows & Co., N. Attleboro', Mass.
Blancard & Co., 38 John St., New York.
Bugbee & Niles, N. Attleboro', Mass.
A. Bushee & Co., Attleboro', Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
W. G. Clark & Co., Attleboro' Falls, Mass.
J. P. Cory, Providence, R. I.
S. Cottle Co., 31 Union Square, New York.
Cummings & Wexel, Attleboro', Mass.
O. C. Devereux & Co., Providence, R. I.
Durand & Co., 49 Franklin St., Newark, N. J.
Engley, Wetherell & Co., Chartley, Mass.
S. E. Fisher & Co., N. Attleboro', Mass.
Foster & Bailey, Providence, R. I.
E. I. Franklin & Co., N. Attleboro', Mass.
Lane Mfg. Co., Waterbury, Conn.
Larter, Elcox & Co., 363 Mulberry St., Newark, N. J.
Wm. H. Luther & Son, Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
Newark Collar Button Co., Newark, N. J.
Potter & Buffington, Providence, R. I.
W. Riber, 860 Broadway, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
L. Sauter & Co., 1 Maiden Lane, New York.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Snow & Westcott, Providence, R. I.
Sterling Co., Providence, R. I.
Geo. O. Street & Sons, 15 John St., New York.
George L. Vose & Co., Providence, R. I.
Waite, Mathewson & Co., Providence, R. I.
W. E. White & Co., Providence, R. I.
F. M. Whiting & Co., N. Attleboro', Mass.

C. GOLD PLATED BUTTONS.

R. Blackinton & Co., N. Attleboro', Mass.
A. Bushee & Co., Attleboro', Mass.
Cummings & Wexel, Attleboro', Mass.
O. C. Devereux & Co., Providence, R. I.
S. W. Gould & Co., Attleboro', Mass.
E. Ira Richards & Co., 200 Broadway, New York.
George L. Vose & Co., Providence, R. I.

D. LADIES' CHAIN & PIN BUTTONS.

Engley, Wetherell & Co., Chartley, Mass.
Horton, Angell & Co., Attleboro', Mass.
E. Ira Richards & Co., 200 Broadway, New York.

E. LADIES' COLLAR BUTTONS.

Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
Durand & Co., 49 Franklin St., Newark, N. J.
Hancock, Becker & Co., Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.

F. LADIES' CUFF BUTTONS.

Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
Durand & Co., 49 Franklin St., Newark, N. J.
Larter, Elcox & Co., 41 Maiden Lane, New York.
E. Ira Richards & Co., 200 Broadway, New York.
Rothschild Bros., 51 Maiden Lane, New York.
Wade, Davis & Co., Plainville, Mass.
E. Whitney & Co., Attleboro' Falls, Mass.

G. LADIES' DRESS & CLOAK BUTTONS.

Durand & Co., 49 Franklin St., Newark, N. J.
Milo Hildreth & Co., Northboro', Mass.
Standard Button Works, 103 R. R. Av., Newark, N. J.

H. LEVER COLLAR & CUFF BUTTONS.	A. Bushee & Co., Attleboro', Mass.	
	Carter, Sloan & Co., 15 Maiden Lane, New York.	
	Champenois & Co., 5 Maiden Lane, New York.	
	Cummings & Wexel, Attleboro', Mass.	
	Engley, Wetherell & Co., Chartley, Mass.	
	Horton, Angell & Co., Attleboro', Mass.	
	Larter, Elcox & Co., 41 Maiden Lane, New York.	
	S. F. Myers & Co., 50 Maiden Lane, New York.	*68
	E. Ira Richards & Co., 200 Broadway, New York.	
	Sterling Co., Providence, R. I.	
	Geo. O. Street & Sons, 15 John St., New York.	
	Alfred Vester, Providence, R. I.	
I. LINK CUFF BUTTONS.	T. W. Adams & Co., Newark, N. J.	
	Block & Bergfels, Newark, N. J.	
	Durand & Co., Newark, N. J.	
	S. E. Fisher & Co., N. Attleboro', Mass.	
	E. I. Franklin & Co., N. Attleboro', Mass.	
	Geo. H. Fuller & Son, Pawtucket, R. I.	
	Larter, Elcox & Co., Newark, N. J.	
	Potter & Buffinton, Providence, R. I.	
	E. Ira Richards & Co., 200 Broadway, New York.	
	Rothschild Bros., 51 Maiden Lane, New York.	
	Snow & Westcott, Providence, R. I.	
	Sterling Co., Providence, R. I.	
	Geo. O. Street & Sons, 15 John St., New York.	
	W. E. White & Co., Providence, R. I.	
J. SEPARABLE COLLAR & CUFF BUTTONS.	Cummings & Wexel, Attleboro', Mass.	
	Horton, Angell & Co., Attleboro, Mass.	
	S. F. Myers & Co., 50 Maiden Lane, New York.	*68
	E. Ira Richards & Co., 200 Broadway, New York	
	Geo. O. Street & Sons, 15 John St , New York.	
K. STERLING SILVER CUFF BUTTONS.	H. F. Barrows Co., N. Attleboro', Mass.	
	E. Ira Richards & Co., 200 Broadway, New York.	
	Sterling Co., Providence, R. I.	

828. CHAINS.

A. BLACK ONYX CHAINS.	Cox & Sedgwick Mfg. Co., 26 John St., New York.	
	S. & B. Lederer, Providence, R. I.	
	Snow & Westcott, Providence, R. I.	
B. BRACELET CHAINS.	A. Alling Reeves, Newark, N. J.	
	B. A. Ballou & Co., 61 Peck St., Providence, R. I.	
	Carter, Sloan & Co., 15 Maiden Lane, New York.	
	Champenois & Co., 5 Maiden Lane, New York.	
	Durand & Co., Franklin St., Newark, N. J.	
	Wm. M. Fisher & Co., Providence, R. I.	
	Geo. H. Fuller & Son, Pawtucket, R. I.	
	Hamilton & Hamilton, Jr., 226 Eddy St., Providence, R. I.	
	Lincoln, Bacon & Co.. 41 Maiden Lane, New York.	
	Martin, Copeland & Co., 9 Maiden Lane, New York.	
	E. Ira Richards & Co., 200 Broadway, New York.	
	Sterling Co., Providence, R. I.	
	Waite, Mathewson & Co., Providence, R. I.	
C. CELLULOID CHAINS.	Celluloid Co., Newark, N. J.	*252
D. CHATELAINE CHAINS.	M. W. Carr & Co., 7 Lancaster St., Boston, Mass.	
	Carter, Sloan & Co., 15 Maiden Lane, New York.	
	Durand & Co., 49 Franklin St., Newark, N. J.	
	A. J. Hedges & Co., Newark, N. J.	
	Martin, Copeland & Co., 9 Maiden Lane, New York.	
	H. D. Merritt & Co., N. Attleboro', Mass.	
	E. Ira Richards & Co., 200 Broadway, New York.	
E. EYE GLASS CHAINS.	B. A. Ballou & Co , 61 Peck St., Providence, R. I.	
	H. F. Barrows & Co., N. Attleboro', Mass.	
	Carter, Sloan & Co., 15 Maiden Lane, New York.	
	Durand & Co., 49 Franklin St., Newark, N. J.	
	Hamilton & Hamilton, Jr., Providence, R. I.	
	Lincoln, Bacon & Co., 41 Maiden Lane, New York.	
	Martin, Copeland & Co., 9 Maiden Lane, New York.	
	S. F. Merritt, Springfield, Mass.	
	Snow & Westcott, Providence, R. I.	
	Waite, Mathewson & Co., Providence, R. I.	
F. FILLED GOLD CHAINS.	Hamilton & Hamilton, Jr., Providence, R. I.	
	A. J. Hedge & Co., Newark, N. J.	
	Kent & Stanley Co., Providence, R. I.	*67
	S. & B. Lederer, Providence, R. I.	
	Lincoln, Bacon & Co., 41 Maiden Lane, New York.	
	Marsh & Bigney, Attleboro', Mass.	
	H. D. Merritt & Co., N. Attleboro', Mass.	

E. Ira Richards & Co., 200 Broadway, New York.

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A. J. Hedges & Co., Newark, N. J.
Charles F. Irons, Providence, R. I.
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S. E. Fisher & Co., N. Attleboro', Mass.
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Stanley Bros., Attleboro' Falls, Mass.
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Demarest & Brady, N. Attleboro', Mass.
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J. E. Draper & Co., N. Attleboro', Mass.
Durand & Co., Newark, N. J.
Hafner & Kohart, 21 John St., New York.
S. & B. Lederer, Providence, R. I.
Wm. H. Luther & Son, Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
Plainville Stock Co., Plainville, Mass.
E. Ira Richards & Co., 200 Broadway, New York.
Enos Richardson & Co., 14 Maiden Lane, New York.
Sandland, Capron & Co., N. Attleboro', Mass.
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Engley, Wetherell & Co., Chartley, Mass.
J. M. Fisher & Co., Attleboro', Mass.
Foster & Bailey, 60 Richmond St., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
C. F. Irons, Providence, R. I.
Kent & Stanley Co., Providence, R. I. *67
S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
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H. M. Richards & Co., 7 Green St., Boston, Mass.
W. R. Richards, Providence, R. I.
Wm. Riker, 860 Broadway, New York.
Chas. A. Russell & Co., Providence, R. I.
Sandland, Capron & Co., N. Attleboro', Mass.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Snow & Westcott, Providence, R. I.
Stanley Bros., Attleboro' Falls, Mass.
Sterling Co., Providence, R. I.
Waite, Mathewson & Co., Providence, R. I.

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C. F. Irons, Providence, R. I.
Chas. A. Russell & Co., Providence, R. I.
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Durand & Co., 49 Franklin St., Newark, N. J.
Peter L. Krider, 618 Chestnut St., Philadelphia, Pa.
J. & R. Lamb, 59 Carmine St., New York.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Sinnock & Sherrill, 3 Maiden Lane, New York.
E. R. Stockwell, 19 John St., New York.

844. NECKLACES.

Carter, Sloan & Co., 15 Maiden Lane, New York.
S. Cottle Co., 31 Union Square, New York.
Daggett & Clap, Attleboro', Mass.
Day & Clark, Newark, N. J.
Durand & Co., 49 Franklin St., Newark, N. J.
Wm. M. Fisher & Co., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.

S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
Martin, Copeland & Co., 9 Maiden Lane, New York.
Potter & Buffinton, Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Wm. Riker, 860 Broadway, New York.
Short, Nerney & Co., Attleboro', Mass.
Geo. L. Vose & Co., Providence, R. I.

A. ROMAN PEARL NECKLACES.

Champenois & Co., 5 Maiden Lane, New York.
E. Ira Richards & Co., 200 Broadway, New York.
Sexton Bros. & Washburn, 41 Maiden Lane, New York.

845. NOVELTIES, JEWELRY.

D. F. Adams, Providence, R. I.
H. F. Barrows Co., N. Attleboro', Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Crossin & Tucker, 409 Pine St., Providence, R. I.
Durand & Co., 49 Franklin St., Newark, N. J.
E. I. Franklin & Co., N. Attleboro', Mass.
A. J. Hedges & Co., Newark, N. J.
Larter, Elcox & Co., 363 Mulberry St., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Wm. H. Luther & Son, 214 Oxford St., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
H. M. Richards & Co., 7 Green St.. Boston, Mass.
Sterling Co., Providence, R. I.
Waite, Mathewson & Co., 102 Orange St., Providence, R. I.
W. E. White & Co., 54 Page St., Providence, R. I.
F. M. Whiting & Co., N. Attleboro', Mass.
E. Whitney & Co., Attleboro' Falls, Mass.

A. ROMAN JEWELRY NOVELTIES.

Block & Bergfels, 336 Mulberry St., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
N. B. Nickerson & Co., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Enos Richardson & Co., 14 Maiden Lane, New York.

B. SILVER JEWELRY NOVELTIES.

H. F. Barrows Co., N. Attleboro', Mass.
S. Cottle Co., 31 Union Square, New York.
J. E. Draper & Co., N. Attleboro', Mass.
French & Franklin Mfg. Co., N. Attleboro', Mass.
S. & B. Lederer, Providence, R. I.
Manhattan Silver Plate Co., 23 John St., New York.
Osborn & Co., 115 E. Chestnut St., Lancaster, Pa.
E. Ira Richards & Co., 200 Broadway, New York.
Sterling Co., Providence, R. I.
F. M. Whiting & Co., N. Attleboro', Mass.

846. PENDANTS.

Block & Bergfels, Newark, N. J.
Carter, Sloan & Co., 15 Maiden Lane, New York.
W. G. Clark & Co., Attleboro' Falls, Mass.
Codding Bros., N. Attleboro', Mass.
J. P. Cory, Providence, R. I.
Durand & Co., Newark, N. J.
Foster & Bailey, Providence, R. I.
Fowler Bros., Providence, R. I.
Hancock, Becker & Co., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
R. L. Moorhead & Co., Providence, R. I.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Sandland, Capron & Co., N. Attleboro', Mass.
Wade, Davis & Co., Plainville, Mass.

847. PINS.

A. BAR PINS.

T. W. Adams & Co., Newark, N. J.
B. A. Ballou, Providence, R. I.
H. F. Barrows Co., N. Attleboro', Mass.
R. Blackinton & Co., N. Attleboro', Mass.
Bliss Bros., Attleboro', Mass.
Bonner & Eisler, 17 John St., New York.
Brooks & Pike, 383 Washington St., Boston, Mass.
Bugby & Niles, N. Attleboro', Mass.
M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
W. G. Clark & Co., Attleboro' Falls, Mass.
Codding Bros., N. Attleboro', Mass.
J. P. Cory, Providence, R. I.
Crossin & Tucker Providence, R. I.
Daggett & Clap, Attleboro', Mass.
Demarest & Brady, N. Attleboro, Mass.

O. C. Devereux & Co., 220 Eddy St., Providence, R. I.
Durand & Co., Newark, N. J.
Engley, Wetherell & Co., Chartley, Mass.
S. E. Fisher & Co., N. Attleboro', Mass.
Foster & Bailey, 60 Richmond St., Providence, R. I.
Fowler Bros., Providence, R. I.
E. I. Franklin & Co., N. Attleboro', Mass.
S. W. Gould & Co., Attleboro', Mass.
Hancock, Becker & Co., 40 Clifford St., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
Lambert & Schofield, Plainfield, Mass.
S. & B. Lederer, 66 Stewart St., Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
Wm. H. Luther & Son, 214 Oxford St., Providence, R. I.
Wm. Maas & Co., 370 Broadway, New York.
R. L. Moorhead & Co., 53 Clifford St., Providence, R. I.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Plainville Stock Co., Plainville, Mass.
Potter & Buffinton, 19 Snow St., Providence, R. I.
A. Alling Reeves, Newark, N. J.
Reynolds Jewelry Co., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Wm. Riker, 860 Broadway, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Sandland, Capron & Co., N. Attleboro', Mass.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Snow & Westcott, Providence, R. I.
Wade, Davis & Co., Plainville, Mass.
Waite, Mathewson & Co., 102 Orange St., Providence, R. I.
C. A. Wetherell & Co., Attleboro', Mass.
W. E. White & Co., Providence, R. I.
E. Whitney & Co., Attleboro' Falls, Mass.

B. BLACK ONYX PINS.

Cox & Sedgwick Mfg. Co., 26 John St., New York.
E. Ira Richards & Co., 200 Broadway, New York.

C. BONNET PINS.

H. F. Barrows Co., N. Attleboro', Mass.
Block & Bergfels, 336 Mulberry St., Newark, N. J.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
Cox & Sedgwick Mfg. Co., 26 John St., New York.
Durand & Co., 49 Franklin St., Newark, N. J.
E. I. Franklin & Co., N. Attleboro', Mass.
A. J. Hedges & Co., Newark, N. J.
Lambert & Schofield, Plainville, Mass.
Plainville Stock Co., Plainville, Mass.
A. Alling Reeves, Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Wm. Riker, 860 Broadway, New York.
Sexton Bros. & Washburn, 41 Maiden Lane, New York.

D. BROOCH PINS.

Block & Bergfels, 336 Mulberry St., Newark, N. J.
Bugbee & Niles, N. Attleboro', Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Crossin & Tucker, 409 Pine St., Providence, R. I.
Demarest & Brady, N. Attleboro', Mass.
Durand & Co., 49 Franklin St., Newark, N. J.
S. E. Fisher & Co., N. Attleboro', Mass.
Foster & Bailey, Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
Lambert & Schofield, Plainville, Mass.
S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
Wm. H. Luther & Son, 214 Oxford St., Providence, R. I.
R. L. Moorhead & Co., 53 Clifford St., Providence, R. I.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Plainville Stock Co., Plainville, Mass.
E. Ira Richards & Co., 200 Broadway, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Snow & Westcott, Providence, R. I.
Union Eyelet Co., 47 Borden St., Providence, R. I.
Wade, Davis & Co., Plainville, Mass.
F. M. Whiting & Co., N. Attleboro', Mass.

E. GOLD PINS.

Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
S. Cottle Co., 31 Union Sq , New York.
Demarest & Brady, N. Attleboro', Mass.

Durand & Co., 49 Franklin St., Newark, N. J.
A. J. Hedges & Co., Newark, N. J.
Chas. F. Irons, Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
E. Ira Richards, 200 Broadway, New York.
Wm. Riker, 860 Broadway, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Chas. A. Russell & Co., Providence, R. I.
John A. Riley & Sloan Co., 860 Broadway, New York.

F. HAIR PINS.

Wm. H. Ball & Co., Newark, N. J.
Carter, Sloan & Co., 15 Maiden Lane, New York.
G. W. Cheever & Co., N. Attleboro', Mass.
Durand & Co., 49 Franklin St., Newark, N. J.
A. J. Hedges & Co., Newark, N. J.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
Plainville Stock Co., Plainville, Mass.
E. Ira Richards & Co., 200 Broadway, New York.
John A. Riley & Sloan Co., 860 Broadway, New York.
Sandland, Capron & Co., N. Attleboro', Mass.
Sexton Bros. & Washburn, 41 Maiden Lane, New York.

G. LADIES' CUFF PINS.

B. A. Ballou & Co., 61 Peck St., Providence, R. I.
Champenois & Co., 5 Maiden Lane, New York.
Durand & Co., Newark, N. J.
S. E. Fisher & Co., N. Attleboro', Mass.
E. I. Franklin & Co., N. Attleboro', Mass.
S. W. Gould & Co., N. Attleboro', Mass.
W. C. Greene & Co., 19 Pine St., Providence, R. I.
Hancock, Becker & Co., 40 Clifford St., Providence, R. I.
Horton, Angell & Co., Attleboro', Mass.
Lambert, Schofield & Co., Providence, R. I.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Potter & Buffinton, 19 Snow St., Providence, R. I.
A. Alling Reeves, Newark, N. J.
E. Ira Richards & Co., 200 Broadway, N. Y.
Wade, Davis & Co., Plainville, Mass.
Waite, Mathewson & Co., 102 Orange St., Providence, R. I.
W. E. White & Co., Providence, R. I.

H. PLATED SCARF PINS.

R. Blackinton & Co., N. Attleboro', Mass.
O. C. Devereux & Co., Providence, R. I.
S. E. Fisher & Co., N. Attleboro', Mass.
S. & B. Lederer, Providence, R. I.
Wm. H. Luther & Son, Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Plainville Stock Co., Plainville, Mass.
E. Ira Richards & Co., 200 Broadway, New York.
Sandland, Capron & Co., N. Attleboro', Mass.
Wade, Davis & Co., Plainville, Mass.

I. RIBBON PINS.

Carter, Sloan & Co., 15 Maiden Lane, New York.
A. J. Hedges & Co., Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
Snow & Westcott, Providence, R. I.
Wade, Davis & Co., Plainville, Mass.

J. ROLLED PLATE PINS.

S. & B. Lederer, Providence, R. I.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
R. L. Moorhead & Co., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Chas. Russell & Co., Providence, R. I.
C. A. Wetherell & Co., N. Main St., Attleboro', Mass.

K. SCARF PINS.

T. W. Adams & Co., Newark, N. J.
Alling & Co., 170 Broadway, New York.
B. A. Ballou & Co., 61 Peck St., Providence, R. I.
Block & Bergfels, 336 Mulberry St , Newark, N. J.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
Codding Bros., N. Attleboro', Mass.
J P. Cory, Providence, R. I.
Crossin & Tucker, Providence, R. I.
Demarest & Brady, N. Attleboro,' Mass.
O. C. Devereux & Co., 220 Eddy St., Providence, R. I.
Durand & Co., 49 Franklin St., Newark, N. J.
Engley, Wetherell & Co., Chartley, Mass.
S. E. Fisher & Co., N. Attleboro', Mass.
E. I. Franklin & Co., N. Attleboro', Mass.
W. C. Greene & Co., 95 Pine St., Providence, R. I.
Hancock, Becker & Co., 40 Clifford St., Providence, R. I.

A. J. Hedges & Co., Newark, N. J.
H. Henrich, 35 Maiden Lane, New York.
Larter, Elcox & Co., 41 Maiden Lane, New York.
S. & B. Lederer, Providence, R. I.
Wm. H. Luther & Son, 214 Oxford St., Providence, R. I.
R. L. Moorhead & Co., 53 Clifford St., Providence, R. I.
Plainville Stock Co., Plainville, Mass.
Potter & Buffinton, 19 Snow St., Providence, R. I.
A. Alling Reeves, Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Snow & Westcott, Providence, R. I.
Waite, Thresher & Co., 61 Peck St., Providence, R. I.
W. E. White & Co., 54 Page St., Providence, R. I.
D. Wilcox & Co., Providence, R. I.

L. SHAWL PINS.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Durand & Co., Newark, N. J.
Engley, Wetherell & Co., Chartley, Mass.
S. W. Gould & Co., Attleboro', Mass.
S. & B. Lederer, Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Snow & Westcott, Providence, R. I.

M. SOCIETY PINS.
C. G. Braxmar, 47 Cortlandt St., New York. *66
Durand & Co., Newark, N. J.
C. F. Irons, Providence, R. I.
S. & B. Lederer, Providence, R. I.
J. W. Richardson & Co., Providence, R. I.
Chas. A. Russell & Co., Providence, R. I.
E. R. Stockwell, 19 John St., New York.
Waite, Mathewson & Co., Providence, R. I.

848. RINGS.

A. BAND RINGS.
Durand & Co., Newark, N. J.
A. J. Hedges & Co., Newark, N. J.
Larter, Elcox & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Martin, Copeland & Co., 9 Maiden Lane, New York.
Ostby & Barton, Providence, R. I.
Palmer & Capron, 20 Maiden Lane, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Shafer & Douglas, Newark, N. J.
J. R. Wood & Sons, 14 John St., New York

B. BANGLE RINGS.
Durand & Co., Newark, N. J.
Larter, Elcox & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Martin, Copeland & Co., 9 Maiden Lane, N. Y.
Palmer & Capron, 20 Maiden Lane, New York.
E. Ira Richards & Co., 200 Broadway, New York.

C. FIRE GILT RINGS.
S. & B. Lederer, Providence, R. I.

D. GOLD ENGRAVED RINGS.
Durand & Co., Newark, N. J.
Larter, Elcox & Co., Newark, N. J.
Martin, Copeland & Co., 9 Maiden Lane, New York.
Palmer & Capron, 20 Maiden Lane, New York.
Shafer & Douglas, Newark, N. J.
Geo. O. Street & Sons, 15 John St., New York.
J. R. Wood & Sons, 14 John St., New York.

E. GOLD RINGS.
T. W. Adams & Co., Newark, N. J.
Alling & Co., 170 Broadway, New York.
J. Beck & Son, 10 Liberty Place, New York.
Block & Bergfels, Newark, N. J.
Bonner & Eisler, 17 John St., New York.
J. B. Bowden & Co., 192 Broadway, New York.
Brooks & Pike, 383 Washington St., Boston, Mass.
M. B. Bryant & Co., 10 Maiden Lane, New York.
Bugbee & Niles, N. Attleboro', Mass.
T. E. Carpenter, Providence, R. I.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Chambers-Bering-Quinlan Co., Decatur, Ill.
S. B. Champlin & Son, Providence, R. I.
Durand & Co., Newark, N. J.
Geo. H. Fuller & Son, Pawtucket, R. I.
Hancock, Becker & Co., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
H. Henrich, 35 Maiden Lane, New York.
Geo. H. Howeth, Syracuse, N. Y.
S. Hutchins & Co., Providence, R. I.
Hutchison & Huestis, Providence, R. I.

Larter, Elcox & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
William H. Luther & Son, 214 Oxford St., Providence, R. I.
Martin, Copeland & Co., 9 Maiden Lane, New York.
R. L. Moorhead & Co., 53 Clifford St., Providence, R. I
H. Muhr's Sons, 146 N. Broad St., Philadelphia, Pa.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Ostby & Barton, 80 Clifford St., Providence, R. I.
Palmer & Capron, Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
E. A. Robinson, Attleboro', Mass.
Rothschild Bros., 51 Maiden Lane, New York.
Sexton Bros. & Washburn, 41 Maiden Lane, New York.
Shafer & Douglas, Newark, N. J.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Sinnock & Sherrill, 3 Maiden Lane, New York.
Wm. Smith & Co., 33 Maiden Lane, New York.
Stern Bros. & Co., 30 Maiden Lane, New York.
Geo. O. Street & Sons, 15 John St., New York.
Waite, Thresher & Co., 61 Peck St., Providence, R. I.
Waterman & Lehman, 37 Maiden Lane, New York.
A. Westerbaum, Rochester, Mass.
W. E. White & Co., Providence, R. I.
D. Wilcox & Co., Providence, R. I.

F. NOVELTY RINGS.
Block & Bergfels, Newark, N. J.
H. Henrich, 35 Maiden Lane, New York.
S. Hutchins & Co., Providence, R. I.
Larter, Elcox & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Stern Bros. & Co., 30 Maiden Lane, New York.

G. PLATED RINGS.
S. & B. Lederer, Providence, R. I.
McCall & Newman, 625 Arch St., Philadelphia, Pa.
Odenheimer & Zimmern, 69 Nassau St., New York.
Palmer & Capron, Providence, R. I.

H. SCARF RINGS.
T. W. Adams & Co., Newark, N. J.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
W. G. Clark & Co., Attleboro' Falls, Mass.
Codding Bros., N. Attleboro', Mass.
O. C. Devereux & Co., Providence, R. I.
Durand & Co., Newark, N. J.
Fowler Bros., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
S. & B. Lederer, Providence, R. I.
Ostby & Barton, Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Wade, Davis & Co., Plainville, Mass.
E. Whitney & Co., Attleboro' Falls, Mass.

I. SILVER RINGS.
Durand & Co., 49 Franklin St., Newark, N. J.
Martin, Copeland & Co., 9 Maiden Lane, New York.
Palmer & Capron, Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Sterling Co., Providence, R. I.
Wm. Smith & Co., 33 Maiden Lane, New York.

J. SOCIETY RINGS.
C. G. Braxmar, 47 Cortlandt St., New York. *66

K. STONE RINGS.
Block & Bergfels, 336 Mulberry St., Newark, N. J.
J. B. Bowden & Co., 192 Broadway, New York.
Durand & Co., 49 Franklin St., Newark, N. J.
Henderson & Winter, 15 Maiden Lane, New York.
H. Henrich, 35 Maiden Lane, New York.
Larter, Elcox & Co., 363 Mulberry St., Newark, N. J.
S. & B. Lederer, Providence, R. I.
H. Muhr's Sons, 146 N. Broad St., Philadelphia, Pa.
Palmer & Capron, 20 Maiden Lane, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Shafer & Douglas, Newark, N J.
Sinnock & Sherrill, 3 Maiden Lane, New York.
Sterns Bros. & Co., 30 Maiden Lane, New York.
W. E. White & Co., 54 Page St., Providence, R. I.

L. STONE RINGS, SOLID GOLD.
Durand & Co., Newark, N. J.
Larter, Elcox & Co., Newark, N. J.
Palmer & Capron, 20 Maiden Lane, New York.
Sinnock & Sherrill, 3 Maiden Lane, New York.

849. SETS, JEWELRY.

A. COMBINATION JEWELRY SETS.

A. Bushee & Co., Attleboro', Mass.
Champenois & Co., 5 Maiden Lane, New York.
Cummings & Neal, Attleboro', Mass.
Engley, Wetherell & Co., Chartley, Mass.
Horton, Angell & Co., Attleboro', Mass.
Lincoln, Bacon & Co., 41 Maiden Lane, New York.
Waite, Mathewson & Co., Providence, R. I.

B. LADIES' SETS.

Daggett & Clap, Attleboro', Mass.
Demarest & Brady, N. Attleboro', Mass.

850. STUDS.

A. GOLD STUDS.

B. A. Ballou & Co., Providence, R. I.
E. E. Barrows Co., N. Attleboro', Mass.
Block & Bergfels, Newark, N. J.
Bonner & Eisler, 17 John St., New York.
A. Bushee & Co., Attleboro', Mass.
Carter, Sloan & Co., 15 Maiden Lane, New York.
Champenois & Co., 5 Maiden Lane, New York.
S. Cottle & Co., 31 Union Square, New York.
Daggett & Clap, Attleboro', Mass.
Day & Clark, 10 Maiden Lane, New York.
O. C. Devereux & Co., Providence, R. I.
Durand & Co., Newark, N. J.
Engley, Wetherell & Co., Chartley, Mass.
E. I. Franklin & Co., N. Attleboro', Mass.
Hancock, Becker & Co., Providence, R. I.
A. J. Hedges & Co., Newark, N. J.
Lambert, Schofield & Co., Providence, R. I.
Larter, Elcox & Co., Newark, N. J.
Wm. H. Luther & Son, Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
Potter & Buffinton, Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
Wm. Riker, 860 Broadway, New York.
Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
Snow & Westcott, Providence, R. I.
Geo. L. Vose & Co., Providence, R. I.
Waite, Thresher & Co., Providence, R. I.
W. E. White & Co., Providence, R. I.

B. ROLLED GOLD STUDS.

Bugbee & Niles, N. Attleboro', Mass.
O. C. Devereux & Co., Providence, R. I.
R. L. Moorhead & Co., Providence, R. I.
E. Ira Richards & Co., 200 Broadway, New York.
W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
Wade, Davis & Co., Plainville, Mass.

C. SEPARABLE STUDS.

A. Bushee & Co., Attleboro', Mass.
Horton, Angell & Co., Attleboro', Mass.
E. Ira Richards & Co., 200 Broadway, New York.

D. WHITE STONE STUDS.

Barker Mfg. Co., Providence, R. I.
R. L. Moorhead & Co., Providence. R. I.

851. THIMBLES.

A. GOLD THIMBLES.

Carter, Sloan & Co., 15 Maiden Lane, New York.
Durand & Co., 49 Franklin St., Newark, N. J.
Ketcham & McDougall, 198 Broadway, New York.
H. Muhr's Sons, 146 N. Broad St., Philadelphia, Pa.
Simons Bros. & Co., 618 Chestnut St., Philadelphia, Pa.
Stern Bros. & Co., 30 Maiden Lane, New York.
Waite, Thresher & Co., Providence, R. I.
F. M. Whiting & Co., N. Attleboro', Mass.

B. SILVER THIMBLES.

Ketcham & McDougall, 198 Broadway, New York.
H. Muhr's Sons, 146 W. Broad St., Philadelphia, Pa.
Simons Bros. & Co., 618 Chestnut St., Philadelphia, Pa.
Stern Bros. & Co., 30 Maiden Lane, New York.
Waite, Thresher & Co., Providence, R. I.
F. M. Whiting & Co., N. Attleboro', Mass.

852. TOOTHPICKS, GOLD.

D. F. Foley & Co., 23 Maiden Lane, New York.
E. S. Johnson & Co., 26 Maiden Lane, New York.
F. T. Pearce & Co., Providence, R. I.

853. WATCH PROTECTORS.

Geo. H. Fuller & Son, Pawtucket, R. I.
E. Ira Richards & Co., 200 Broadway, New York.

854. WATCH SEALS.

Carter, Sloan & Co., 15 Maiden Lane, New York.
Healy Bros., N. Attleboro', Mass.
Larter, Elcox & Co., 41 Maiden Lane, New York.
A. Alling Reeves, Newark, N. J.
E. Ira Richards & Co., 200 Broadway, New York.
Geo. O. Street & Sons, 15 John St., New York.

XXII. LEATHER.

855. ALLIGATOR LEATHER.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Timothy Driscol, 2415 S. 3d St., St. Louis, Mo.
John Dwyer, Newark, N. J.
H. Hahn & Stumpf, Harrison, N. J.
Thos. V. Johnston, 227 Canal St., New York.
Kauffherr & Co., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
R. G. Salomon, Newark, N. J.
F. A. Schaeffer, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
White Bros. & Co., Lowell, Mass.

856. ARTIFICIAL LEATHER.
Evans Artificial Leather Co., 88 Pearl St., Boston, Mass.
Robert Dingwell, 214 Chestnut St., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.

857. BAG LEATHER.
J. M. Breingan, Newark, N. J.
John W. Carr & Co., 79 Somerset St., Newark, N. J.
Ph. Corell, 296 Broadway, New York.
Robert Dingwell, Newark, N. J.
John Dwyer, Newark, N. J.
H. Hahn & Stumpf, Harrison, N. J.
Howell-Hinchman Co., Middletown, N. Y.
Henry Lang, Newark, N. J.
J. C. Lighthouse, Rochester, N. Y.
Mark W. Mahon Leather Co., Newark, N. J.
John N. Moore, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Rockwell Leather Co., 195 William St., New York.
F. A. Schaeffer, Newark, N. J.
C. L. & R. E. Smith, Newark, N. J.
C. Trautmann, 258 Maine St., Cincinnati, O.
J. Weil & Bros., 200 Lake St., Chicago, Ill.

858. BELLOWS LEATHER.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Timothy Driscol, 2415 S. 3d St., St. Louis, Mo.
John Dwyer, Newark, N. J.
Fayerweather & Ladew, 28 Spruce St., New York.
H. Hahn & Stumpf, Harrison, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Rockwell Leather Co., 195 William St., New York.
C. L. & R. E. Smith, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.

859. BELTING LEATHER.
American Oak Leather Co., 141 Main St., Cincinnati, O.
Conrad Tanning Co., Louisville, Ky.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
Phœnix Tanning Co., Louisville, Ky.
Hans Rees' Sons, 17 Ferry St., New York.
Rockwell Leather Co., 195 William St., New York.
C. L. & R. E. Smith, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
Underwood Mfg. Co., Tolland, Conn. *53
Weatherhead & Thompson Co., Pawtucket, R. I.

860. BOOK BINDERS' LEATHER.
J. M. Breingan, Newark, N. J.
M. Caffrey, Newark, N. J.
Conroy & Weyrauch, 45 Morris Av., Newark, N. J.
Ph. Corell, 296 Broadway, New York.
Robert Dingwell, Newark N. J.
John Dwyer, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
Mark W. Mahon Leather Co., Newark, N. J.
Mayer Mfg. Co., Newark, N. J.
John N. Moore, Newark, N. J.
Palmer, Smith & Co., Newark, N. J.

Rockwell Leather Co., 195 William St., New York.
F. A. Schaeffer, Newark, N. J.
C. L. & R. E. Smith, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
J. Weil & Bro., 200 Lake St., Chicago, Ill.
Whitcher & Emery, 4 High St., Boston, Mass.
Richard Young, 35 Spruce St., New York.

861. BUCKSKIN.
West Mill Co., Gloversville, N. Y.
White Bros. & Co., Lowell, Mass.

862. CALF.
J. S. Barnet & Bro., Little Falls, N. Y.
Cappon & Bertsch Leather Co., Holland, Mich.
Ph. Corell, 296 Broadway, New York.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
H. Hahn & Stumpf, Harrison, N. J.
Howell-Hinchman Co., Middletown, N. Y.
A. B. Martin & Co., 76 High St., Boston, Mass.
Martin & Riedle, Aberdeen, O.
Norton Tanning Co., San Francisco, Cal.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Wm. Rueping & Sons, Fond du Lac, Wis.
R. G. Salomon, Newark, N. J.
Shattuck & Binger, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
West Mill Co., Gloversville, N. Y.
S. Westcott & Son, 85 High St., Boston, Mass.
White Bros. & Co., Lowell, Mass.
Whitcher & Emery, 4 High St., Boston, Mass.
Winslow Bros., 59 High St., Boston, Mass.
G. F. Zeller & Sons, 272 Howard St., Buffalo, N. Y.
Herman Zöhrlaut Leather Co., Milwaukee, Wis.

863. CALF KID.
Bittel, Tepel & Eilers, 38 Spruce St., New York.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
George A. Hull & Co., 39 South St., Boston, Mass.
R. Neumann & Co., 76 Duane St., New York.
Patzowsky & Co., 32 Frankfort St., New York.
Phelps & Lombard, 79 High St., Boston, Mass.
Louis Schumann & Son, 1027 Canal St., Philadelphia, Pa.
C. Trautmann, 258 Main St., Cincinnati, O.
Ziegel, Eisman & Co., Newark, N. J.

864. CARRIAGE LEATHER.
American Oak Leather Co., 141 Main St., Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
E. H. McCormick, 25 New York Av., Newark, N. J.
John N. Moore, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
John Reilly & Son, Newark, N. J.
Patrick Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
E. S. Ward & Co., 300 Norfolk St., Newark, N. J.
H. P. Witzell & Co., Newark, N. J.

865. CHAMOIS, IMITATION.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Rockwell Leather Co., 195 William St., New York.
R. G. Salomon, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
Richard Young, 35 Spruce St., New York.

866. COLLAR LEATHER.
American Oak Leather Co., 141 Main St., Cincinnati, O.
C. Anstedt & Son, Milwaukee, Wis.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cappon & Bertsch Leather Co., Holland, Mich.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.

S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
M. Lappe & Sons Oak Leather Co., Allegheny City, Pa. *70
J. C. Lighthouse, Rochester, N. Y.
E. H. McCormick, 25 New York Av., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
John Reilly & Son, Newark, N. J.
Patrick Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
J. Weil & Bros., 200 Lake St., Chicago, Ill.
H. P. Witzell & Co., Newark, N. J.

867. CORDOVAN LEATHER.
F. A. Barber & Co., Auburn, N. Y.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
H. Hahn & Stumpf, Harrison, N. J.
R. Neumann & Co., 76 Duane St., New York.
R. G. Salomon, Newark, N. J.
Shattuck & Binger, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.

868. DASH LEATHER.
American Oak Leather Co., 141 Main St., Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
John N. Moore, Newark, N. J.
E. H. McCormick, 25 New York Av., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Patrick Reilly & Son, Newark, N. J.
John Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
Hugh Smith, Newark, N. J.
Stengel & Rothschild. Newark, N. J.
Moses Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
E. S. Ward & Co., 300 Norfolk St., Newark, N. J.
H. P. Witzell & Co., Newark, N. J.

869. DONGOLA LEATHER.
Eugene Barry, Lynn, Mass.
Chas. Baird & Son, Wilmington, Del.
Bittel, Tepel & Eilers, 38 Spruce St., New York.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Thos. Green & Co., Lynn, Mass.
A. B. Hoffmann, Lynn, Mass.
Leviseur Bros. & Co., 42 High St., Boston, Mass.
G. Levor, Gloversville, N. Y.
McNeely & Co., N. 4th & Arch Sts., Philadelphia, Pa.
R. Neumann & Co., 76 Duane St., New York.
H. A. Pevear & Sons, 61 High St., Boston, Mass.
R. G. Salomon, Newark, N. J.
Shattuck & Binger, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
Whitcher & Emery, 4 High St., Boston, Mass.
Webster & Co., 55 High St., Boston, Mass.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.

870. EMBOSSED & ILLUMINATED LEATHER.
Ph. Corell, 296 Broadway, New York.
Robert Dingwell, Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Mark W. Mahon Leather Co., Newark, N. J.
Newark Decorative Leather Co., Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.

J. Weil & Bros., 200 Lake St., Chicago, Ill.

871. ENAMELLED LEATHER. American Oak Leather Co., 141 Main St , Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
McCormick & Preston, Newark, N. J.
E. H. McCormick, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Patrick Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
E. S. Ward & Co., Newark, N. J.
Webster & Co., 55 High St., Boston, Mass.
H. P. Witzell & Co., Newark, N. J.

872. FANCY LEATHER. Blanchard Bros. & Lane, Newark, N. J.
J. M. Breingan, Newark, N. J.
Edward K. Butler, 57 High St., Boston, Mass.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
Conroy & Weyrauch, 45 Morris Av., Newark, N. J.
Ph. Corell, 296 Broadway, New York.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
A. B. Goodrich & Co., Haverhill, Mass.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
Mark W. Mahon Leather Co., Newark, N. J.
Mayer Mfg. Co., Newark, N. J.
E. H. McCormick, 25 New York Av., Newark, N. J.
John N. Moore, Newark, N. J.
Jos. Nevil & Sons, 1016 St. John St., Philadelphia, Pa.
John Nieder, Newark, N. J.
Palmer, Smith & Co., Newark, N. J.
John Reilly & Son, Newark, N. J.
Patrick Reilly & Son, Newark, N. J.
Riordan & Co., Newark, N. J.
Rockwell Leather Co., 195 William St., New York.
R. G. Salomon, Newark, N. J.
F. A. Schaeffer, Newark, N. J.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
J. Weil & Bros., 200 Lake St., Chicago, Ill.
Whitcher & Emery, 4 High St., Boston, Mass.
H. P. Witzell & Co., Newark, N. J.
Richard Young, 35 Spruce St., New York.

873. GLAZED KID. Adams & Keen, 435 Arch St., Philadelphia, Pa.
Wm. Amer & Co., 442 N. 3d St., Philadelphia, Pa.
Chas. Baird & Co., Wilmington, Del.
Bittel, Tepel & Eilers, 31 Spruce St., New York.
F. J. Blatz & Bro., Elizabeth, N. J.
Burke Bros., 409 Arch St., Philadelphia, Pa.
Edward K. Butler, 57 High St., Boston, Mass.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
W. S. Felton & Co., 431 St. John St., Philadelphia, Pa.
Francis Haggerty, 435 N. 3d St., Philadelphia, Pa.
Daniel Hays & Co., Gloversville, N. Y.
Hilt & Wood, 155 Jefferson St., Philadelphia, Pa.
A. B. Hoffmann, Lynn, Mass.
F. S. Kaliske, 180 William St., New York.
Leviseur Bros. & Co., 42 High St., Boston, Mass.
G. Levor, Gloversville, N. Y.
Chas. MacEvoy, Newark, N. J.
Mayer Mfg. Co., Newark, N. J.
J. J. McConnell, 48 N. 4th St., Philadelphia, Pa.
McNeely & Co., N. 4th & Arch Sts., Philadelphia, Pa.

Mulford, Cary & Conklin, 34 Spruce St., New York.
R. Neumann & Co., 76 Duane St., New York.
Paschall, Lichten & Co., 31 N. 4th St., Philadelphia, Pa.
Pevear & Co., 83 High St., Boston, Mass.
H. A. Pevear & Sons, 61 High St., Boston, Mass.
Phelps & Lombard, 79 High St., Boston, Mass.
Rose, McAlpin & Co., 97 Reade St., New York.
Louis Schumann & Son, 1027 Canal St., Philadelphia, Pa.
C. Trautmann, 258 Main St., Cincinnati, O.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.

874. GLOVE LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
W. N. Eisendrath & Co., 183 Lake St., Chicago, Ill.
Thos. Green & Co., Lynn, Mass.
R. Neumann & Co., 76 Duane St., New York.
Wm. Rueping & Sons, Fond du Lac, Wis.
Shattuck & Binger, Newark, N. J.
B. F. Thompson & Co., 187 Summer St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
Webster & Co., 55 High St., Boston, Mass.
West Mill Co., Gloversville, N. Y.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

875. GOAT LEATHER.

Edward K. Butler, 57 High St., Boston, Mass.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
A. B. Hoffmann, Lynn, Mass.
Lee, Claflin & Son, 73 High St., Boston, Mass.
R. Neumann & Co., 76 Duane St., New York.
Norton Tanning Co., San Francisco, Cal.
Pevear & Co., 83 High St., Boston, Mass.
H. A. Pevear & Sons, 61 High St., Boston, Mass.
Phelps & Lombard, 79 High St., Boston, Mass.
Sawyer Tanning Co., Napa, Cal.
Jacob Schoening's Sons, 1545 Randolph St., Philadelphia, Pa.
White Bros. & Co., Lowell, Mass.
Winslow Bros., 59 High St., Boston, Mass.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.

A. IMITATION GOAT LEATHER.

Webster & Co., 55 High St., Boston, Mass.

876. GRAIN LEATHER.

N. R. Allen's Sons, Kenosha, Wis.
American Oak Leather Co., 141 Main St., Cincinnati, O.
Arey, Maddock & Locke, 39 High St., Boston, Mass.
Beggs & Cobb, Woburn, Mass.
C. H. Buswell & Co., 137 Summer St., Boston, Mass.
M. Caffrey, Newark, N. J.
Cappon & Bertsch Leather Co., Holland, Mich.
J. P. Crane & Co., 126 Summer St., Boston, Mass.
Stephen Dow & Co., 6 High St., Boston, Mass.
H. Hahn & Stumpf, Harrison, N. J.
Geo. A. Hull & Co., 39 South St., Boston, Mass.
Hubbard & Blake, 137 Summer St., Boston, Mass.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
Loring & Avery, 43 South St., Boston, Mass.
Chas. MacEvoy, Newark N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Portville Tanning Co., Portville, N. Y.
Wm. Rueping & Sons, Fond du Lac, Wis.
Sharp, Clarke & Co., Fleetwood cor. Blanche St., Chicago, Ill.
Jas. Skinner & Co., 14 High St., Boston, Mass.
B. F. Thompson & Co., 187 Summer St., Boston, Mass.
C. Trautmann, 258 Main St. Cincinnati, O.
Webster & Co., 55 High St., Boston, Mass.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.
Theo. Zschetzsche & Son, Sheboygan, Wis.

877. HARNESS LEATHER.

N. R. Allen & Sons, Kenosha, Wis.
American Oak Leather Co., 141 Main St., Cincinnati, O.
Aug. Barth, New Albany, Ind.
Christian Bardes' Sons, Stack & Branch Sts., Cincinnati, O.
Jas. Callery & Co., Pittsburgh, Pa.
Cappon & Bertsch Leather Co., Holland, Mich.

M. Dienhart & Son, Lafayette, Ind.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
John Dywer, Newark, N. J.
Wm. Flaccus & Son, Pittsburgh, Pa.
Thos. Griffith & Sons, Ebensburg, Pa.
A. & J. Groetzinger, Allegheny City, Pa.
C. C. Hax & Co., Allegheny City, Pa.
Hermann & Koenitzer, 4028 N. Main St., St. Louis, Mo.
John G. Hoffman & Son, Wheeling, W. Va.
Amos Hollinger, Lancaster, Pa.
Anthony Kessler, 3217 N. Broadway, St. Louis, Mo.
Knoxville Leather Co., Knoxville, Tenn.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
J. C. Lappe & Sons Tanning Co., Allegheny City, Pa. *69
J. C. Lighthouse, Rochester, N. Y.
M. V. Longsworth, Delphos, O.
Martin & Riedle, Aberdeen, O.
McKay & Chisholm, Benicia, Cal.
R. Neumann & Co., 76 Duane St., New York.
Otto Oeters Leather Co., 209 S. Main St., St. Louis, Mo.
Palmer, Smith & Co., Newark, N. J.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Richard Ritter, Louisville, Ky.
C. Schumann & Co., 118 Lake St., Chicago, Ill.
R. Suhm Leather Co., Milwaukee, Wis.
Rudolph Suhre, 868 Central Av., Cincinnati, O.
Albert Trostel, Milwaukee, Wis.
Wendt, Wilson & Co., 111 Main St., Cincinnati, O.
C. B. Williams & Sons, 2d St. near Rising Sun Lane, Phila., Pa.
W. P. Wood & Co., Ashboro', North Carolina.
Richard Young, 35 Spruce St., New York.
G. F. Zeller & Sons, 272 Howard St., Buffalo, N. Y.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

878. HOSE LEATHER.

Robert Dingwell, 241 Chestnut St., Newark, N. J.
R. Neumann & Co , 76 Duane St., New York.
Pevear & Co., 83 High St., Boston, Mass.
Hans Rees' Sons, 17 Ferry St., New York.
C. Trautmann, 258 Main St., Cincinnati, O.

879. IMITATION LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Thos. H. Hayes & Co., Belvidere, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Wm. Rueping & Sons, Fond du Lac, Wis.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

880. KANGAROO LEATHER.

Bittel, Tepel & Eilers, 38 Spuce St., New York.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
G. Levor, Gloversville, N. Y.
R. Neumann & Co., 76 Duane St., New York.
R. G. Salomon, Newark, N. J.
Salomon & Phillips, 33 Spruce St., New York.
C. Trautmann, 258 Main St., Cincinnati, O.
White Bros. & Co., Lowell, Mass.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.

881. KID LEATHER.

Eugene Barry, Lynn, Mass.
F. Blumenthal & Co., 193 William St., New York.
Edward K. Butler, 57 High St., Boston, Mass.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Leviseur Bros. & Co., 42 High St., Boston, Mass.
McNeely & Co., N. 4th & Arch Sts., Philadelphia, Pa.
Augustus B. Martin & Co., Lynn, Mass.
R. Neumann & Co., 76 Duane St., New York.
Pemberton Bros., 47 High St., Boston, Mass.
Phelps & Lombard, 79 High St., Boston, Mass.
Salomon & Phillips, 33 Spruce St., New York.
R. G. Salomon, Newark, N. J.
Sawyer Tanning Co., Napa, Cal.
Jacob Schoening's Sons, 1545 Randolph St., Philadelphia, Pa.
B. F. Thompson & Co., 187 Summer St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
White Bros. & Co., Lowell, Mass.
Richard Young, 35 Spruce St., New York.
G. F. Zeller & Sons, 272 Howard St., Buffalo, N. Y.
Ziegel, Eisman & Co., Newark, N. J.

882. KIPS.

Cappon & Bertsch Leather Co., Holland, Mich.
Ph. Corell, 296 Broadway, New York.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Kauffherr & Co., Newark, N. J.
J. C. Lighthouse, Rochester, N. Y.
Loring & Avery, 43 South St., Boston, Mass.
R. Neumann & Co., 76 Duane St., New York.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

883. LACE LEATHER.

American Supply Co., Providence, R. I. *173
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Josiah Gates & Sons, Lowell, Mass.
R. Neumann & Co., 76 Duane St., New York.
Shultz Belting Co., 402 Barton St., St. Louis, Mo. *54
C. Trautmann, 258 Main St., Cincinnati, O.

884. MACHINE & HAND BUFFED LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robt. Dingwell, Newark, N. J.
Thos. Garnar & Co., 181 William St., New York.
J. H. Halsey & Smith, Newark, N. J.
S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
Loring & Avery, 43 South St., Boston, Mass.
E. H. McCormick, 25 New York Av., Newark, N. J.
John N. Moore, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Portville Tanning Co., Portville, N. Y.
John Reilly & Son, Newark, N. J.
Jas. Skinner & Co., 14 High St., Boston, Mass.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
B. F. Thompson & Co., 187 Summer St., Boston, Mass.
E. S. Ward & Co., 300 Norfolk St., Newark, N. J.
H. P. Witzell & Co., Newark, N. J.

885. MOCCASIN LEATHER.

Robert Dingwell, 241 Chestnut St., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
E. G. Place & Co. Leather Mfg., 54 South St., Boston, Mass.
C. L. & R. E. Smith, Newark, N. J.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Richard Young, 35 Spruce St., New York.

886. MOROCCO LEATHER.

Adams & Keen, 435 Arch St., Philadelphia, Pa.
M. S. Atkinson & Co., Baltimore, Md.
Eugene Barry, Lynn, Mass.
Bittel, Tepel & Eilers, 38 Spruce St., New York.
Blanchard Bros. & Lane, Newark, N. J.
F. Blumenthal & Co., 193 William St., New York.
Chas. Bockins, 425 St. John St., Philadelphia, Pa.
Burk Bros., 409 Arch St., Philadelphia, Pa.
W. P. Clark & Son, Peabody, Mass.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Dungan, Hood & Co., 436 N. 3d St., Philadelphia, Pa.
Edward Foerderer, Jr., 1714 Randolph St., Philadelphia, Pa.
Chas. E. Fritz & Co., Wilmington, Del.
Thos. Garnar & Co., 181 William St., New York.
John J. Gibson & Co., Wilmington, Del.
Thos. Green & Co., Lynn, Mass.
J. H. Halsey & Smith, Newark, N. J.
Hartley, Fink & Co., 1035 N. Front St., Philadelphia, Pa,
A. B. Hoffmann, Lynn, Mass.
Wm. A. Kelly & Son, Lynn, Mass.
James M. Kerrigan, 40 Flushing Av., Brooklyn, N. Y.
P. Lenox & Co., Lynn, Mass.
Leviseur Bros. & Co., 42 High St., Boston, Mass.
Lynch Bros., Beverly, Mass.
A. B. Martin & Co., Lynn, Mass.

Chas. MacEvoy, Newark, N. J.
John J. McConnell, 1214 Canal St., Philadelphia, Pa.
McDermott & Howard, 180 William St., New York.
McNeely & Co., N. 4th & Arch Sts., Philadelphia, Pa.
Moffat Bros., Buffalo, N. Y.
John T. Moulton, Lynn, Mass.
Jos. Nevil & Sons, 1016 St. John St., Philadelphia, Pa.
J. W. Patterson & Co., 131 Margaretta St., Philadelphia, Pa.
Pemberton Bros., Peabody, Mass.
Pevear & Co., 83 High St., Boston, Mass.
H. A. Pevear & Sons, Lynn, Mass.
Phelps & Lombard, Lynn, Mass.
Pusey & Scott Co., Wilmington, Del.
I. T. Quigley, Wilmington, Del.
Rosenburg, Happ & Siegel, Baltimore, Md.
Rose, McAlpin & Co., Yonkers, N. Y.
Schmidt, Traugott & Sons, 54 Croghan St., Detroit, Mich.
Selser, Meurer & Co., 424 St, John St., Philadelphia, Pa.
Shute & Falkner, Lynn, Mass.
L. B. Southwick & Co., Peabody, Mass.
P. P. Tapley & Co., Lynn, Mass.
Chas. H. Tigh, Peabody, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
Nicholas Weber, Lynn, Mass.
Webster & Co., 55 High St., Boston, Mass.
Winslow Bros., Norwood, Mass.
H. P. Witzell & Co , Newark, N. J.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.

887. OAK BUTTS.

Deford & Co., Baltimore, Md.
Robert Dingwell, Newark, N. J.
Fayerweather & Ladew, 28 Spruce St., New York.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
R. Neumann & Co., 76 Duane St., New York.
Hans Rees' Sons, 17 Ferry St., New York.
C. Trautmann, 258 Main St., Cincinnati, O.
A. F. Williams, Trenton, N. J.

888. OAK LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
John A. Bechtel & Son, Newport, Pa.
Cincinnati Oak Leather Co., Ltd., 24 N. Providence St., Cin., O.
Deford & Co., Baltimore, Md.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Fayerweather & Ladew, 28 Spruce St., New York.
Geo. A. Hull & Co., 39 South St., Boston, Mass.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
R. Neumann & Co., 76 Duane St., New York.
Hans Rees' Sons, 17 Ferry St., New York.
A. Stiegler & Co., Hopper St. & Conway Av., Cincinnati, O.

889. PATENT LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
Bridgeport Patent Leather Co., Bridgeport, Conn.
Matthew Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robt. Dingwell, Newark, N. J.
E. H. Farmer, Newark, N. J.
J. H. Halsey & Smith, Newark, N. J.
S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Henry Lang, Newark, N. J.
Leviseur Bros. & Co., 42 High St., Boston, Mass.
E. H. McCormick, 25 New York Av., Newark, N. J.
McCormick & Preston, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
C. & J. Pyle Co., Wilmington, Del.
John Reilly, Newark, N. J.
P. Reilly & Son, Newark, N. J.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
M. Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
E. S. Ward & Co., 300 Norfolk St., Newark, N. J.
Webster & Co., 55 High St., Boston, Mass.
H. P. Witzell & Co., Newark, N. J.

890. PEBBLED LEATHER.

Beggs & Cobb, Woburn, Mass.

F. Blumenthal & Co., 193 William St., New York.
M. Caffrey, Newark, N. J.
J. P. Crane & Co., 126 Summer St., Boston, Mass.
Robt. Dingwell, Newark, N. J.
Howell-Hinchman Co., Middletown, N. J.
Geo. A. Hull & Co., 39 South St., Boston, Mass.
Thos. V. Johnson, 227 Canal St., New York.
Chas. Mac Evoy, Newark, N. J.
E. H. McCormick, 25 New York Av., Newark, N. J.
Mark W. Mahon Leather Co., Newark, N. J.
Palmer, Smith & Co., Newark, N. J.
H. A. Pevear & Sons, 61 High St., Boston, Mass.
Wm. Rueping & Sons, Fond du Lac, Wis.
F. A. Schaeffer, Newark, N. J.
Jacob Schoening's Sons, 1545 Randolph St., Philadelphia, Pa.
B. F. Thompson & Co., 87 Summer St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
Winslow Bros., 59 High St., Boston, Mass.
Richard Young, 35 Spruce St., New York.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

891. PICKER LEATHER.

A. Burgess & Son, Providence, R. I.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
William Coupe & Co., S. Attleboro', Mass.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Josiah Gates & Sons, Lowell, Mass.
Howell-Hinchman Co., Middletown, N. Y.
A. & C. W. Holbrook, Providence, R. I.
R. Neumann & Co., 76 Duane St., New York.
Wm. Rueping & Sons, Fond du Lac, Wis.
Shultz Belting Co., 402 Barton St., St. Louis, Mo. *54
C. Trautmann, 258 Main St., Cincinnati, O.

892. POCKETBOOK LEATHER.

J. M. Breingan, Newark, N. J.
M. Caffrey, Newark, N. J.
Conroy & Weyrauch, Newark, N. J.
Ph. Corell, 296 Broadway, New York.
Culbert & Co., 24 Maiden Lane, New York.
Robert Dingwell, Newark, N. J.
John Dwyer, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
Mark W. Mahon Leather Co., Newark, N. J.
Mayer Mfg. Co., Newark, N. J.
John N. Moore, Newark, N. J.
John Nieder, Newark, N. J.
Palmer, Smith & Co., Newark, N. J.
Rockwell Leather Co., 195 William St., New York.
F. A. Schaeffer, Newark, N. J.
C. L. & R. E. Smith, Newark, N. J.
C. Trautmann, 258 Main St,, Cincinnati, O.
J. Weil & Bro., 200 Lake St., Chicago, Ill.
Winslow Bros., 59 High St., Boston, Mass.
Richard Young, 35 Spruce St., New York.

893. PORPOISE LEATHER.

Robert Dingwell, 241 Chestnut St., Newark, N. J.
H. Hahn & Stumpf, Harrison, N. J.
R. Neumann & Co., 76 Duane St., New York.
R. G. Salomon, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.

894. RAILING LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robt. Dingwell, Newark, N. J.
J. H. Halsey & Smith, Newark, N. J.
S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
E. H. McCormick, 25 New York Av., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
John Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
Hugh Smith, Newark, N. J.

Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
H. P. Witzel & Co., Newark, N. J.

895. RAWHIDE.

Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Wm. Coupe & Co., S. Attleboro', Mass.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Ellenville Tanning Co., 39 South St., Boston, Mass.
T. Finnegan, N. Amherst, O.
R. Neumann & Co., 76 Duane St., New York.
Lyman Smith's Sons Co., 34 High St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.

896. RUSSET LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
J. M. Breingan, Newark, N. J.
Cappon & Bertsch Leather Co., Holland, Mich.
Robt. Dingwell, Newark, N. J.
John Dwyer, Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
Kauflerr & Co., Newark, N. J.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
Mark W. Mahon Leather Co., Newark, N. J.
Martin & Riedle, Aberdeen, O.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
E. G. Place & Co., 54 South St., Boston, Mass.
Geo. Plumer & Co., 44 High St., Boston, Mass.
Rockwell Leather Co., 195 William St., New York.
Wm. Rueping & Sons, Fond du Lac, Wis.
Sawyer Tanning Co., Napa, Cal.
Schmidt, Traugott & Sons, 54 Croghan St., Detroit, Mich.
C. L. & R. E. Smith, Newark, N. J.
J. Weil & Bros., 200 Lake St., Chicago, Ill.
H. P. Witzell & Co., Newark, N. J.
W. P. Wood & Co., Ashboro', N. C.
Richard Young, 35 Spruce St., New York.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

897. SADDLERY LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
S. Halsey & Son, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Henry Lang, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Rockwell Leather Co., 195 William St., New York.
C. L. & R. E. Smith, Newark, N. J.
Moses Strauss, Newark, N. J.
H. P. Witzell & Co., Newark, N. J.
Richard Young, 35 Spruce St., New York.

898. SEALSKIN LEATHER.

Robert Dingwell, 241 Chestnut St., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
R. G. Salomon, Newark. N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
White Bros. & Co., Lowell, Mass.
Richard Young, 35 Spruce St., New York.

899. SHEEPSKINS.

Lee Claflin & Son, 73 High St., Boston, Mass.
Ph. Corell, 296 Broadway, New York.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
T. Finnegan, N. Amherst, O.
A. B. Hoffmann. Lynn, Mass.
Henry Holmes, 58 E. Canal St., Philadelphia, Pa.
Simon Horkheimer & Son, Wheeling, W. Va.
Leviseur Bros. & Co., 42 High St., Boston, Mass.
Mark W. Mahon Leather Co., Newark, N. J.
A. B. Martin & Co., 76 High St., Boston, Mass.
R. Neumann & Co., 76 Duane St., New York.
Norton Tanning Co., San Francisco, Cal.
Pemberton Bros., 47 High St., Boston, Mass
Rockwell Leather Co., 195 William St., New York.
Sawyer Tanning Co., Napa, Cal.
Schmidt, Traugott & Sons, 54 Croghan St., Detroit, Mich.
Schoellkopf & Co., 103 Mississippi St., Buffalo, N. Y.
L. B. Southwick & Co., Peabody, Mass.
M. Strauss & Son, 781 William St., Buffalo, N. Y.

C. Trautmann, 258 Main St., Cincinnati, O.
White Bros. & Co., Lowell, Mass.
Whitcher & Emery, 4 High St., Boston, Mass.
J. Weil & Bros., 200 Lake St., Chicago, Ill.
West Mill Co., Gloversville, N. Y.
Winslow Bros., 59 High St., Boston, Mass.
Richard Young, 35 Spruce St., New York.
Ziegel, Eisman & Co., Newark, N. J.

900. SHOE LEATHER.

Blanchard Bros. & Lane, Newark, N. J.
Cappon & Bertsch Leather Co., Holland, Mich.
Jas. Clark & Co., 3d & Vine Sts., St. Louis, Mo.
Ph. Corell, 296 Broadway, New York.
M. Dienhart & Son, Lafayette, Ind.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
East N. Y. Boot, Shoe & L. Mfg. Co., 171 Duane St., New York.
Fayerweather & Ladew, 28 Spruce St., New York.
D. Frantz & Sons, Louisville, Ky.
H. Hahn & Stumpf, Harrison, N. J.
George A. Hull & Co., 39 South St., Boston, Mass.
Henry Lang, Newark, N. J.
Mark W. Mahon Leather Co., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Hans Rees' Sons, 17 Ferry St., New York.
Rockwell Leather Co., 195 William St., New York.
Wm. Rueping & Sons, Fond du Lac, Wis.
B. F. Thompson & Co., 187 Summers St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
J. Weil & Bros., 200 Lake St., Chicago, Ill.
Richard Young, 35 Spruce St., New York.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

901. SKIRTING.

Blanchard Bros. & Lane, Newark, N. J.
Cappon & Bertsch Leather Co., Holland, Mich.
Robert Dingwell, 241 Chestnut St., Newark, N. J.
Thos. Griffith & Sons, Ebensburg, Pa.
Wm. Flaccus & Son, Pittsburgh, Pa.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.
Martin & Riedel, Aberdeen, O.
McKay & Chisholm, Benicia, Cal.
R. Neumann & Co., 76 Duane St., New York.
Hans Rees' Sons, 17 Ferry St., New York.

902. SKIVERS.

Ph. Corell, 296 Broadway, New York.
Robert Dingwell, 341 Chestnut St., Newark, N. J.
Thos. Garnar & Co., 181 William St., New York.
A. B. Martin & Co., 76 High St., Boston, Mass.
R. Neumann & Co., 76 Duane St., New York.
Pemberton Bros., 47 High St., Boston, Mass.
Rockwell Leather Co., 195 William St., N. Y.
C. Trautmann, 258 Main St., Cincinnati, O.
Whitcher & Emery, 4 High St., Boston, Mass.

903. SOLE LEATHER.

A. HEMLOCK SOLE LEATHER.

E. Beach & Son, Milanville, Pa.
B. P. Buckley, Cooks Fall, N. Y.
H. H. Crary & Co., Westfield, Pa.
Crary Bros., Hancock, N. Y.
P. C. Costello & Co., 91 Gold St., New York.
S. B. Davidge & Co., Newark Valley, N. Y.
Davidge & Co., English Centre, Pa.
Davidge, Horton & Co., Berkshire, N. Y.
Du Bois & Van Tassell Bros., Du Bois, Pa.
Eagle Valley Tannery, Ridgway, Pa.
L. Ellis & Son, Laona, N. Y.
Emporium Tanning Co., Emporium, Pa.
E. S. Esty & Son, Ithaca, N. Y.
C. H. Faxon & Son, Chestertown, Warren Co., N. Y.
Holroyd & Co., Waterford, N. Y.
Horton, Crary & Co., Sheffield, Pa.
Walter Horton & Co., Harrison Valley, Pa.
J. W. & A. P. Howard & Co., Corry, Pa.
George A. Hull & Co., 39 South St., Boston, Mass.
McKay & Chisholm, Benicia, Cal.
Thos. E. Proctor Leather Co., 127 South St., Boston, Mass.
Schoellkopf, Horton & Co., Sheffield, Pa.
Sherwood, Bullard & Co., Jerdon Falls, N. J.
Chas. Shaw & Son, Oregon, Warren Co., N. Y.

B. OAK SOLE LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
John A. Bechtel & Son, Newport, Pa.
Conrad Tanning Co., Lexington Av. & 12th St., Louisville, Ky.
Thomas Cover & Son, Star Tannery, Va.
Fayerweather & Ladew, 28 Spruce St., New York.
Horton, Gildersleeve & Co., Johnson City, Tenn.
Geo. A. Hull & Co., 39 South St., Boston, Mass.
Louisville Leather Co., 1517 Brent St., Louisville, Ky.
Phœnix Tanning Co., 11th St. & Lexington Av., Louisville, Ky.
Thos. E. Proctor Leather Co., 127 South St., Boston, Mass.
Hans Rees' Sons, 17 Ferry St., New York.
Root & Keating, Buffalo, N. Y.
C. C. Smoot & Sons, Alexandria, Va.
C. B. Williams' Sons, 2d St. near Rising Sun Lane, Phila., Pa.

C. UNION TANNED SOLE LEATHER.

Geo. L. Adams & Co., E. Stroudsburg, Pa.
Franklyn Tannery, Mahaffey, Pa.
A. Innes' Sons, Grover, Pa.
Wright, Clark & Co., Olean, N. Y.
Wyoming Tannery, Jenningsville, Pa.

904. SPEEDER LEATHER.

American Supply Co., Providence, R. I. *173
Robert Dingwell, Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
C. Trautmann, 258 Main St., Cincinnati, O.

905. SPLIT LEATHER.

American Oak Leather Co., 141 Main St., Cincinnati, O.
Arey, Maddock & Locke, 39 High St., Boston, Mass.
F. A. Barber & Co., Auburn, N. Y.
Beggs & Cobb, Woburn, Mass.
Blanchard Bros. & Lane, Newark, N. J.
C. H. Buswell & Co., 137 Summer St., Boston, Mass.
M. Caffrey, Newark, N. J.
Cappon & Bertsch Leather Co., Holland, Mich.
J. P. Crane & Co., 126 Summer St., Boston, Mass.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
Stephen Dow & Co., 6 High St., Boston, Mass.
John Dwyer, Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
T. P. Howell & Co., Newark, N. J.
Geo. A. Hull & Co., 39 South St., Boston, Mass.
Hubbard & Blake, 137 Summer St., Boston, Mass.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
Loring & Avery, 43 South St., Boston, Mass.
A. Loehnberg, Newark, N. J.
Mark W. Mahon Leather Co., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Portville Tanning Co., Portville, N. Y.
Jas. & W. P. Pierce, 143 Summer St., Boston, Mass.
E. G. Place & Co., 54 South St., Boston, Mass.
Hans Rees' Sons, 17 Ferry St., New York.
John Reilly & Son, Newark, N. J.
N. W. Rice & Co., 12 South St., Boston, Mass.
Wm. Rueping & Sons, Fond du Lac, Wis.
Sharp, Clarke & Co., Fleetwood c. Blanche Sts., Chicago, Ill.
Jas. Skinner & Co., 14 High St., Boston, Mass.
C. L. & R. E. Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
B. F. Thompson & Co., 187 Summer St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
Webster & Co., 55 High St., Boston, Mass.
J. Weil & Bro., 200 Lake St., Chicago, Ill.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

906. STRAP LEATHER.

Blanchard Bros. & Lane, Newark, N. J.
A. Burgess & Son, Providence, R. I.
Chicago Rawhide Leather Co., 77 Ohio St., Chicago, Ill.
Robert Dingwell, Newark, N. J.
John Dwyer, Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
M. Lappe & Sons Oak Leather Co., Pittsburgh, Pa. *70
Mark W. Mahon Leather Co., Newark, N. J.
R. Neumann & Co., 76 Duane St., New York.
Palmer, Smith & Co., Newark, N. J.
Hans Rees' Sons, 17 Ferry St., New York.
C. L. & R. E. Smith, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
J. Weil & Bro., 200 Lake St. Chicago, Ill.

907. TRIMMING LEATHER.

Richard Young, 35 Spruce St., New York.
Blanchard Bros. & Lane, Newark, N. J.
Bridgeport Patent Leather Mfg. Co., Bridgeport, Conn.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
S. Halsey & Son, Newark, N. J.
J. H. Halsey & Smith, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
Mark W. Mahon Leather Co., Newark, N. J.
E. H. McCormick, 25 New York Av., Newark, N. J.
Palmer, Smith & Co., Newark, N. J.
Hans Rees' Sons, 17 Ferry St., New York.
John Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
Rockwell Leather Co., 195 William St., New York.
Hugh Smith, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
E. S. Ward & Co., 300 Norfolk St., Newark, N. J.
H. P. Witzell & Co., Newark, N. J.

908. UPHOLSTERY LEATHER.

Blanchard Bros. & Lane, Newark, N. J.
M. Caffrey, Newark, N. J.
Cashion & Flynn, Newark, N. J.
I. W. Dawson & Co., Newark, N. J.
Robert Dingwell, Newark, N. J.
John Dwyer, Newark, N. J.
S. Halsey & Son, Newark, N. J.
J. H. Halsey & Smith, Newark, N. J.
C. H. & J. D. Harrison, Newark, N. J.
T. P. Howell & Co., Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
Thos. V. Johnson, 227 Canal St., New York.
Henry Lang, Newark, N. J.
Mark W. Mahon Leather Co., Newark, N. J.
Palmer, Smith & Co., Newark, N. J.
John Reilly & Son, Newark, N. J.
M. O. Riordan & Co., Newark, N. J.
F. A. Schaeffer, Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Moses Strauss, Newark, N. J.
C. Trautmann, 258 Main St., Cincinnati, O.
E. S. Ward Co., 300 Norfolk St., Newark, N. J.
H. P. Witzel & Co., Newark, N. J.
Richard Young, 35 Spruce St., New York.

909. UPPER LEATHER.

Cappon & Bertsch Leather Co., Holland, Mich.
Ph. Corell, 296 Broadway, New York.
M. Dienhart & Son, Lafayette, Ind.
A. F. Gallun & Son, Milwaukee, Wis.
H. Hahn & Strumpf, Harrison, N. J.
George A. Hull & Co , 39 South St., Boston, Mass.
J. G. Hynds Mfg. Co., Gainesville, Ga.
McKay & Chrisholm, Benicia, Cal.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Wm. Rueping & Sons, Fond du Lac, Wis.
B. F. Thompson & Co., 187 Summer St., Boston, Mass.
C. Trautmann, 258 Main St., Cincinnati, O.
G. F. Zeller & Sons, 272 Howard St., Buffalo, N. Y.
Herman Zoehrlaut Leather Co., Milwaukee, Wis.

910. WAX CALFSKINS.

N. R. Allen's Sons, Kenosha, Wis.
Ellenville Tanning Co., 39 South St., Boston, Mass.
A. F. Gallun & Son, Milwaukee, Wis.
H. Hahn & Strumpf, Harrison, N. J.
J. C. Lighthouse, Rochester, N. Y.
Albert Trostel, Milwaukee, Wis.
Theo. Zschetzsche & Son, Sheboygan, Wis.

XXIII. LIGHTING.

911. BRACKETS, LAMP & CANDLE.

A. CANDLE BRACKETS.	Foster, Merriam & Co., Meriden, Conn.	
	J. & R. Lamb. 59 Carmine St., New York.	
B. LAMP BRACKETS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Foster, Merriam & Co., Meriden, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	H. L. Judd & Co., 87 Chambers St., New York.	
	J. & R. Lamb, 59 Carmine St., New York.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
C. LAMP BRACKETS, WROUGHT IRON.	Hecla Iron Works, N. 10th & Berry Sts., Brooklyn, N. Y.	
	J. & R. Lamb, 59 Carmine St., New York.	
	W. H. Pries, 433 Canal St., New York.	
D. STREET LAMP BRACKETS.	J. W. Fiske, 28 Park Place, New York.	

912. BURNERS.

A. ARGAND BURNERS.	American Meter Co., 177 Elm St., Cincinnati, O.	
	A. L. Bogart, 22 Union Square, New York.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	New York Brass Co., 37 W. 14th St., New York.	
B. AUTOMATIC GAS BURNERS.	A. L. Bogart, 22 Union Square, New York.	
	Jos. H. Seed, 21 Centre St., New York.	
C. CONVERTIBLE GAS ATTACHMENTS.	Edward Miller & Co., Meriden, Conn.	
D. GAS BURNERS.	American Meter Co., 177 Elm St., Cincinnati, O.	
	E. P. Gleason Mfg. Co., 20 W. Houston St., New York.	
	Edward Miller & Co., Meriden, Conn.	
	Mitchell-Vance Co., 237 10th Av., New York.	
	Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.	
E. GAS BURNERS, ELECTRIC.	A. L. Bogart, 22 Union Sq., New York.	
	Detroit Electrical Works, Detroit, Mich.	
	J. H. Lehmann & Co., Philadelphia, Pa.	
F. GAS BURNERS, REGULATING.	American Meter Co., 177 Elm St., Cincinnati, O.	
	H. W. Rappleye, 2814 Poplar St., Philadelphia, Pa.	
	M. G. Wilder, 816 Cherry St., Philadelphia, Pa.	
G. GAS LAVA TIPS.	American Meter Co., 177 Elm St., Cincinnati, O.	
	D. M. Steward Mfg. Co., Chattanooga, Tenn.	
H. GASOLINE BURNERS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Forest City Brass Works, Cleveland, O.	
	Josephine D. Smith, 352 Pearl St., New York.	
	Warfield Mfg. Co., Baltimore, Md.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
I. LAMP BURNERS.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Bristol Brass & Clock Co., Forestville, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Edward Miller & Co., Meriden, Conn.	
	Pittsburgh Brass Co., Allegheny, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Requa & Gianni, 96 Church St., New York.	
	Rochester Lamp Co., 37 Barclay St., New York.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Wallace & Sons, 29 Chambers St., New York.	
J. LANTERN BURNERS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	R. E. Dietz Co., 60 Laight St., New York.	*254
	Edward Miller & Co., Meriden, Conn.	
K. NATURAL GAS BURNERS.	Pittsburgh Clay Mfg. Co., New Brighton, Pa.	

913. CALCIUM LIGHT APPARATUS.

New York Calcium Light Co., 410 Bleecker St., New York.

914. CANDELABRA.

A. BRASS CANDELABRA.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Foster, Merriam & Co., Meriden, Conn.	
	Meriden Britannia Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	

Edison General Electric Co., Edison Bldg., Broad St., N. Y. *256
H. L. Judd & Co., 87 Chambers St., New York.
J. & R. Lamb, 59 Carmine St., New York.
Rochester Lamp Co., 37 Barclay St., New York.

B. BRONZE CANDELABRA.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballardvale, Mass.
Edison General Electric Co., Edison Bldg., Broad St., N. Y. *256
Hecla Iron Works, N. 10th & Berry Sts., Brooklyn, N. Y.
J. & R. Lamb, 59 Carmine St., New York.

C. GLASS CANDELABRA.
Fostoria Glass Co., Fostoria, O.

D. IRON CANDELABRA.
Craighead & Kintz Co., Ballardvale, Mass.
Edison General Electric Co., Edison Bldg., Broad St., N. Y. *256
J. W. Fiske, 28 Park Place, New York.
Hecla Iron Works, N. 10th & Berry Sts., Brooklyn, N. Y.
J. & R. Lamb, 59 Carmine St., New York.
W. H. Pries, 433 Canal St., New York.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

915. CANDLE EXTINGUISHERS.
Edward Miller & Co., Meriden, Conn.
Wallace & Sons, Ansonia, Conn.

916. CANDLE LIGHTERS.
Thos. W. Houchin, 67 Park Place, N. Y.

917. CANDLES.
Jas. Boyd's Son, 12 Franklin St., New York.
Colgate & Co., 55 John St., New York.
Emery Candle Co., 35 W. 4th St., Cincinnati, O.
A. Gross & Co., 75 Murray St., New York.
Harkness, Cowing & Co., 5th St. & Eggleston Av., Cincinnati, O.
Joseph I. Keefe, 35 S. 2d St., Philadelphia, Pa.
Proctor & Gamble Co., 3rd & Walnut Sts., Cincinnati, O.
Schaeffer Bros. & Powell, 325 N. 2d St., St. Louis, Mo.
Smith & Nichols, 143 Front St., New York.
W. & H. Walker, Pittsburgh, Pa.

A. CHRISTMAS TREE CANDLES.
Hammerschlag Mfg. Co., 234 Greenwich St., New York.

B. CHURCH CANDLES.
R. Eckerman & Will, Syracuse, N. Y.
Proctor & Gamble Co., 3d & Walnut Sts., Cincinnati, O.
W. & H. Walker, Pittsburgh, Pa.

C. DECORATIVE CANDLES.
R. Eckerman & Will, Syracuse, N. Y.

D. PARAFFINE WAX CANDLES.
Geo. Delano's Sons, New Bedford, Mass.
Merriam & Morgan Paraffine Co., Cleveland, O.
Smith & Nichols, 143 Front St., New York.

E. SPERMACETI CANDLES.
Arctic Oil Works, San Francisco, Cal.
Geo. Delano's Sons, New Bedford, Mass.
W. A. Robinson & Co., New Bedford, Mass.

F. STEARINE CANDLES.
R. Eckerman & Will, Syracuse, N. Y.
Emery Candle Co., 35 W. 4th St., Cincinnati, O.
Proctor & Gamble Co., 3d & Walnut Sts., Cincinnati, O.

G. WAX CANDLES.
Francis Baumer, Syracuse, N. Y.
Harkness, Cowing & Co., 5th St. & Eggleston Av., Cincinnati, O.
Smith & Nichols, 143 Front St., New York.

H. WAX TAPERS.
Thos. W. Houchin, 67 Park Place, New York.

I. WAX TAPERS, FLOATING.
Thos. W. Houchin, 67 Park Place, New York.

918. CANDLESTICKS.

A. BRASS CANDLESTICKS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn. *27
Bristol Brass & Clock Co., Forestville, Conn.
J. F. Kitchell Mfg. Co., Newark, N. J.
J. & R. Lamb, 59 Carmine St., New York.
Landers, Frary & Clark, New Britain, Conn.
Manhattan Brass Co., 338 E. 28th St., New York.
Edward Miller & Co., Meriden, Conn.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.

B. BRONZE CANDLESTICKS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. & R. Lamb, 59 Carmine St., New York.
Manning, Bowman & Co., Meriden, Conn.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.

C. ENAMELLED CANDLESTICKS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Low Art Tile Co., Chelsea, Mass.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo

D. FANCY GLASS CANDLESTICKS.
Atterbury & Co., Pittsburgh, Pa.
King Glass Co., Pittsburgh, Pa. *23

E. GLASS CANDLESTICKS.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
King Glass Co., Pittsburgh, Pa. *23
S. McKee & Co., Pittsburgh, Pa.
Riverside Glass Works, Wellsburg, W. Va.

F. IRON CANDLESTICKS.
Hecla Iron Works, N. 11th & Berry Sts., Brooklyn, N. Y.

G. MINERS' CANDLESTICKS.
Abner Doble Co., San Francisco, Cal.

Smith & Egge Mfg. Co., Bridgeport, Conn.
Tower & Lyon, 95 Chambers St., New York.

H. PLATED CANDLESTICKS. Meriden Britannia Co., Meriden, Conn.
I. SAFETY CANDLESTICKS. St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.
J. SPRING CANDLESTICKS. Bridgeport Brass Co., Bridgeport, Conn. *27
K. TIN CANDLESTICKS. Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.

919. CAR LIGHTING APPARATUS.

Adams & Westlake Co., Ontario & N. Franklin St., Chicago, Ill.
Safety Car Heating & Lighting Cos , 160 Broadway, New York.

920. CHANDELIERS.

A. CAR CHANDELIERS. Craighead & Kintz Co., Ballardvale, Mass.
B. CHURCH CHANDELIERS. J. & R. Lamb, 59 Carmine St., New York.
C. CRYSTAL CHANDELIERS. Craighead & Kintz Co., Ballardvale, Mass.
Mount Washington Glass Co., New Bedford, Mass.
D. EXTENSION CHANDELIERS. Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballardvale, Mass.
Meriden Malleable Iron Co., Meriden, Conn.
Edward Miller & Co., Meriden, Conn.
E. LAMP CHANDELIERS. Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballardvale, Mass.
Edward Miller & Co., Meriden, Conn.
F. OIL CHANDELIERS. Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballardvale, Mass.
Fay Gas Fixture Co., 1126 Olive St., St. Louis, Mo.
Edward Miller & Co., Meriden, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
G. REFLECTOR CHANDELIERS. Craighead & Kintz Co., Ballardvale, Mass.
Wheeler Reflector Co., 18 Washington St., Boston, Mass.

921. CHURCH LIGHTS.

J. & R. Lamb, 59 Carmine St., New York.
Pittsburgh Brass Co., Allegheny, Pa.
Wheeler Reflector Co., 18 Washington St., Boston, Mass.

922. ELECTRIC GAS LIGHTING APPARATUS.

Bergmann Electric & Gas Fixture Co., 79 5th Av., New York.
J. H. Bunnell & Co., 76 Cortlandt St., New York.
Detroit Electrical Works, Detroit, Mich.
Patrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
Frederick Pearce, 79 John St., New York.
The E. S. Greeley & Co., 5 Dey St., New York.
Western Electrical Co., 227 S. Clinton St., Chicago, Ill.

923. ELECTRIC LIGHTING SYSTEMS.

A. ALTERNATING CURRENT SYSTEMS. Ft. Wayne Electric Co., Ft. Wayne, Ind.
Westinghouse Electric Mfg. Co., Pittsburgh, Pa.
B. ARC LIGHTING SYSTEMS. Brush Electric Co., Cleveland, O.
Edison General Electric Co., Edison Bldg., Broad St., N. Y. *256
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Mather Electric Co., Manchester, Conn.
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.
Westinghouse Electric Mfg. Co., Pittsburgh, Pa.
C. CONTINUOUS CURRENT SYSTEMS. Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa. *257
D. INCANDESCENT LIGHTING SYSTEMS. Brush Electric Co., Cleveland, O.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Heisler Electric Light Co., 809 S. 7th St., St. Louis, Mo.
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.
Westinghouse Electric Mfg. Co., Pittsburgh, Pa.

924. ELECTRIC LIGHT SUPPLIES.

J. H. Bunnell & Co., 76 Cortlandt St., New York.
Knapp Electrical Works, 54 Franklin St., Chicago, Ill.
Patrick & Carter Co., 125 S. 2d St., Philadelphia, Pa. *65
The E. S. Greeley & Co., 5 Dey St., New York.
Turner Electrical Mfg. Co., New Bedford, Mass.
Western Electrical Co., 227 S. Clinton St., Chicago, Ill.
A. ELECTRIC LIGHT HOODS. T. H. Brady, New Britain, Conn.
B. MAST ARMS, ELECTRIC LIGHT. T. H. Brady, New Britain, Conn.
Jordan Train Lighting Co., Boston, Mass.

925. ELECTRIC SEARCH LIGHTS.

Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Ft. Wayne Electric Co., Ft. Wayne, Ind.
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.

926. FIXTURES, LIGHTING.

A. COMBINATION FIXTURES. Archer & Pancoast Mfg. Co., 570 1st Av., New York.
E. Baggot, 169 Adams St., Chicago, Ill.

Bergmann Electric & Gas Fixture Co., 79 5th Av., New York.
Cassidy & Son Mfg. Co., 135 W. 23d St., New York.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
W. S. Edwards Mfg. Co., 86 W. Lake St., Chicago, Ill.
Mitchell-Vance Co., 237 10th Av., New York.
W. C. Vosburgh Mfg. Co., Ltd., 418 Fulton St., Brooklyn, N. Y.

B. ELECTRIC LIGHT FIXTURES.
Archer & Pancoast Mfg. Co., 570 1st Av., New York.
E. Baggot, 169 Adams St., Chicago, Ill.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bergman Electric & Gas Fixture Co., 79 5th Ave., New York.
Bristol Brass & Clock Co., Forestville, Conn.
Cassidy & Son Mfg. Co., 135 W. 23d St., New York.
De Kosenko & Hetherington, 804 Sansom St., Philadelphia, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
W. S. Edwards Mfg. Co., 86 Lake St., Chicago, Ill.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
Horn, Brannen & Forsaith Mfg. Co., 427 N. Broad St., Phila., Pa.
Jordan Train Lighting Co., Boston, Mass.
F. McLewee & Son, 25 Waverly Place, New York.
Mitchell-Vance Co., 237 10th Av., New York.
Mount Washington Glass Co., New Bedford, Mass.
Thackara Mfg. Co., 1524 Chestnut St., Philadelphia, Pa.

C. GAS FIXTURES.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Archer & Pancoast Mfg. Co., 910 Broadway, New York.
E. Baggot, 169 Adams St., Chicago, Ill.
Bergmann Electric & Gas Fixture Co., 79 5th Av., New York.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Wm. J. Buck & Son, 407 N. 8th St., Philadelphia, Pa.
Cassidy & Son Mfg. Co., 135 W. 23d St., New York.
Cleveland Gas Fixture Mfg. Co., Cleveland, O.
De Kosenko & Hetherington, 804 Sansom St., Philadelphia, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
W. S. Edwards Mfg. Co., 86 W. Lake St., Chicago, Ill.
Fay Gas Fixture Co., 1126 Olive St., St. Louis, Mo.
R. Hollings & Co., 51 Troy St., Boston, Mass.
Horn, Brannen & Forsaith Mfg. Co., 427 N. Broad St., Phila., Pa.
Iden & Co., 26 University Place, New York.
Mitchell-Vance Co., 237 10th Av., New York.
Schneider, Campbell & Co., 7 Union Sq., New York.
Geo. W. Shaw & Co., 710 Chestnut St., Philadelphia, Pa.
Thackara Mfg. Co., 1524 Chestnut St., Philadelphia, Pa.
John Williams, 556 W. 27th St., New York.

D GAS PENDANTS.
Archer & Pancoast Mfg. Co., 570 1st Av., New York.
E. Baggot, 167 Adams St., Chicago, Ill.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
W. S. Edwards Mfg. Co., 86 W. Lake St., Chicago, Ill.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
Mitchell-Vance Co., 237 10th Av., New York.
W. C. Vosburgh Mfg. Co., Ltd., 418 Fulton St., Brooklyn, N. Y.

E. OIL & LAMP FIXTURES.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
Edward Miller & Co., Meriden, Conn.
Chas. Parker Co., Meriden, Conn.
Pittsburgh Brass Co., Allegheny, Pa.

927. GAS TURNING KEYS.
Thos. W. Houchin, 67 Park Place, New York.
Mitchell-Vance Co., 237 10th Av., New York.

928. GLOBES & SHADES.

A. CANDLE SHADES.
E. Baggot, 169 Adams St., Chicago, Ill.
Cohen & Co., 117 Prince St., New York.
Lewis & Co., 2 E. 14th St., New York.

B. ELECTRIC LIGHT GLOBES.
E. Baggot, 169 Adams St., Chicago, Ill.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
Lippincott Glass Co., Findlay, O.
Cornelius Mayer's Sons, Driggs cor. 9th Sts., Brooklyn, N. Y.
Mount Washington Glass Co., New Bedford, Mass.
J. J. Murray & Co., Trenton Av. & Culvert St., Philadelphia, Pa.
New Brighton Glass Co., New Brighton, Pa. *24
Phœnix Glass Co., Pittsburgh, Pa.
Rohrbacher & Hormann, 2657 Salmon St., Philadelphia, Pa.
Valley Glass Co., Beaver Falls, Pa.

C. ELECTRIC LIGHT SHADES.
E. Baggot, 169 Adams St., Chicago, Ill.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
Mount Washington Glass Co., New Bedford, Mass.
J. J. Murray & Co., Trenton Av. & Culvert St., Philadelphia, Pa.

	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh, Pa.
	Valley Glass Co., Beaver Falls, Pa.
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.
D. GAS GLOBES.	E. Baggot, 169 Adams St., Chicago, Ill.
	Cornelius Mayer's Sons, Brooklyn, N. Y.
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
	E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
	Lippincott Glass Co., Findlay, O.
	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh, Pa.
	Rohrbacker & Hormann, 2657 Salmon St., Philadelphia, Pa.
	Smith Bros., New Bedford, Mass.
E. GAS GLOBES, CUT.	E. Baggot, 169 Adams St., Chicago, Ill.
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
	J. J. Murray & Co., Trenton Av. & Culvert St., Philadelphia, Pa.
	Phœnix Glass Co., Pittsburgh, Pa.
	Smith Bros., New Bedford, Mass.
F. GAS SHADES.	E. Baggot, 169 Adams St., Chicago, Ill.
	Canton Glass Co., Canton, O.
	E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
	Mount Washington Glass Co., New Bedford, Mass.
	J. J. Murray & Co., Trenton Av. & Culvert St., Philadelphia, Pa.
	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh, Pa.
	Smith Bros., New Bedford, Mass.
G. GAS SHADES, TIN.	V. Quarre Co., 121 N. 9th St., Philadelphia, Pa.
H. GLASS SHADES.	Thomas Evans Co., Pittsburgh, Pa.
	Thos. W. Houchin, 67 Park Place, New York.
	Cornelius Mayer's Sons, Driggs cor. 9th Sts., Brooklyn, N. Y.
	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh, Pa.
	Riverside Glass Works, Wellsburg, W. Va.
	Smith Bros., New Bedford, Mass.
I. GLASS SHADES, FANCY.	Fostoria Shade & Lamp Co., Fostoria, O.
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
	Mount Washington Glass Co., New Bedford, Mass.
	J. J. Murray & Co., Trenton Av. & Culvert St., Philadelphia, Pa.
	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh. Pa.
	Smith Bros., New Bedford, Mass.
J. LAMP GLOB	Lippincott Glass Co., Findlay, O.
	Cornelius Mayer's Sons, Driggs cor. 9th Sts., Brooklyn, N. Y.
	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh, Pa.
	Rohrbacher & Hormann, 2657 Salmon St., Philadelphia, Pa.
	Valley Glass Co., Beaver Falls, Pa.
K. LAMP SHADES.	Challinor, Taylor & Co., 96 Church St., New York.
	Thos. Evans Co., Pittsburgh, Pa.
	Mount Washington Glass Co., New Bedford, Mass.
	New Brighton Glass Co., New Brighton, Pa. *24
	Phœnix Glass Co., Pittsburgh, Pa.
	Geo. N. Seaman & Co., 31 John St., Boston, Mass.
	Smith Bros., New Bedford, Mass.
	Valley Glass Co., Beaver Falls, Pa.
	Wright Bros. Co., 324 Market St., Philadelphia, Pa.
L. LAMP SHADES, DECORATED.	Challinor, Taylor & Co., 96 Church St., New York.
	Fostoria Shade & Lamp Co., Fostoria, O.
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
	Smith Bros., New Bedford, Mass.
	Valley Glass Co., Beaver Falls, Pa.
M. LAMP SHADES, FOLDING.	New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
	Geo. N. Seaman & Co., 31 John St., Boston, Mass.
N. LAMP SHADES, LACE.	Wright Bros., 450 Broadway, New York.
O. LAMP SHADES, METAL.	American-Belgian Lamp Co., 31 Barclay St., New York.
	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	Kruse & Baron, 207 Centre St., New York.
P. LAMP SHADES, SILK.	Wright Bros., 450 Broadway, New York.
Q. LANTERN GLOBES.	Buckeye Glass Co., Martin's Ferry, O.
	Canton Glass Co., Canton, O.
	Thos. Evans Co., Pittsburgh, Pa.
	Excelsior Flint Glass Co., Pittsburgh, Pa.
	Lantern Globe Co., Bellaire, O.
	Lippincott Glass Co., Findlay, O.
	McKee & Co., Pittsburgh, Pa.
	Geo. A. Macbeth & Co., Pittsburgh, Pa.

New Brighton Glass Co., New Brighton, Pa. *24
Peerless Lead Glass Works, Pittsburgh, Pa.
Rodefer Bros., Bellaire, O.
Valley Glass Co., Beaver Falls, Pa.
Wormser Glass Co., Pittsburgh, Pa.

R. OPAL SHADES.
Fostoria Shade & Lamp Co., Fostoria, O.

S. PIANO LAMP SHADES.
American-Belgian Lamp Co., 31 Barclay St., New York.
Geo. N. Seaman & Co., 31 John St., Boston, Mass.
Smith Bros, New Bedford, Mass.
Wright Bros. & Co., 324 Market St., Philadelphia, Pa.

929. HOLDERS, GLOBE & SHADE.

American-Belgian Lamp Co., 31 Barclay St., New York.
Bristol Brass & Clock Co., Forestville, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Manhattan Brass Co., 338 E. 28th St., New York.
Edward Miller & Co., Meriden, Conn.
Mitchell-Vance Co., 237 10th Av., New York.
Pittsburgh Brass Co., Allegheny, Pa.

930. INCANDESCENT GAS LAMPS.

Welsbach Incandescent Light Co., 813 Drexel Bldg., Phila., Pa.

931. LAMP CHIMNEYS.

Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
Atlanta Glass Co., Atlanta, Ga.
Chas. Brox, Port Jervis, N. Y.
Challinor, Taylor & Co., Pittsburgh, Pa.
Corning Glass Co., Corning, N. Y.
Crystal Glass Co., Marion, Ind.
Dithridge & Co., Pittsburgh, Pa.
C. Doerflinger & Sons, White Mills, Pa.
Thomas Evans Co., Pittsburgh, Pa.
Excelsior Flint Glass Co., Pittsburgh, Pa.
Gill Bros. & Co., Steubenville, O.
Gill & Co., E. Thompson cor. York Sts., Philadelphia, Pa.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
E. P. Gleason Mfg. Co., 99 Commercial St., New York.
J. N. Huwer, cor. Maujer & Morgan Sts., Brooklyn, N. Y.
E. de La Chappelle & Co., Ottawa, Ill.
Lantern Globe Co., Bellaire, O.
Lippincott Glass Co., Findlay, O.
S. McKee & Co., Pittsburgh, Pa.
McKee Bros., Jeannette, Pa.
Geo A. Macbeth & Co., Pittsburgh, Pa.
Miami Flint Glass Works, Peru, Ind.
J. J. Murray & Co., Trenton Av. & Culvert St., Phila., Pa.
Peerless Lead Glass Works, Pittsburgh, Pa.
Wm. Pountenay, Port Jervis, N. J.
Richards & Hartley Glass Co., Tarentum, Pa.
Rodefer Bros., Bellaire, O.
Rohrbacher & Hormann, 2657 Salmon St., Philadelphia, Pa.
Union Glass Co., 36 India St., Boston, Mass.

932. LAMP FOUNTS.

A. DECORATED LAMP FOUNTS.
Bridgeport Brass Co., Bridgeport, Conn. *27
Canton Glass Co., Canton, O.
Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.
J. N. Huwer, Maujer & Morgan Sts., Brooklyn, E. D., N. Y.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Edward Miller & Co., Meriden, Conn.
Pittsburgh Brass Co., Pittsburgh, Pa.
Smith Bros., New Bedford, Mass.

B. GLASS LAMP FOUNTS.
Buckeye Glass Co., Martin's Ferry, O.

C. METAL LAMP FOUNTS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

933. LAMP PARTS & TRIMMINGS.

Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Bridgeport Brass Co., Bridgeport, Conn. *27
Bristol Brass & Clock Co., Forestville, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Edward Miller & Co., Meriden, Conn.
Pittsburgh Brass Co., Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Wallace & Sons, Ansonia, Conn.
Wellington Mfg. Co., 468 Cherry St., New York.

A. BILLIARD LAMP FITTINGS.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Meriden Malleable Iron Co., Meriden, Conn.
Edward Miller & Co., Meriden, Conn.

B. CARRIAGE LAMP MOUNTINGS.	Atwood Bros. Mfg. Co., Amesbury, Mass.	
	C. N. Lockwood & Co., Newark, N. J.	
C. CHAIN LAMP HANGERS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
D. HALL LAMP FITTINGS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
E. LAMP BASES.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Vermont Union Slate Co., Fair Haven, Vt.	
F. LAMP COLLARS.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edward Miller & Co., Meriden, Conn.	
G. LAMP HARPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Wallace & Sons, Ansonia, Conn.	
H. LAMP IRONS.	Pratt & Letchworth, Buffalo, N. Y.	
I. LAMP STANDARDS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	W. H Pries, 433 Canal St., New York.	
J. OIL LAMP PARTS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edward Miller & Co., Meriden, Conn.	
K. OIL LAMP TRIMMINGS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Craighead & Kintz Co., Ballardvale, Mass.	
	Edward Miller & Co., Meriden, Conn.	
L. OIL SCREWS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edward Miller & Co., Meriden, Conn.	
M. SAFETY LAMP GAUZE.	Jas. M. Everhart, Scranton, Pa.	
934. LAMPS, BICYCLE.	Clark Cycle Co. of Baltimore City, Baltimore, Md.	
	Chas. F. Stokes Mfg. Co., Wabash Av., Chicago, Ill.	
935. LAMPS, CARRIAGE.	Atwood Bros. Mfg. Co., Amesbury, Mass.	
	Carey & Co., 243 Arch St., Philadelphia, Pa.	
	C. Cowles & Co., New Haven, Conn.	
	English & Mersick, New Haven, Conn.	
	M. T. Gleeson, Columbus, O.	
	C. N. Lockwood & Co., Newark, N. J.	
	Romer & Co., Newark, N. J.	
	United States Coach Lamp Co., New Haven, Conn.	*29
	White Mfg. Co., Bridgeport, Conn.	
A. DASH LAMPS.	R. E. Dietz Co., 60 Laight St., New York.	*254
	Eureka Lantern Works, Ltd., Schuylerville, N. Y.	
	C. T. Ham Mfg. Co., Rochester, N. Y.	
	C. N. Lockwood & Co., Newark, N. J.	
	Ohio Lantern Co., Tiffin, O.	*28
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Romer & Co., Newark, N. J.	
B. SIDE LAMPS.	R. E. Dietz Co., 60 Laight St., New York.	*254
	C. T. Ham Mfg. Co., Rochester, N. Y.	
	Edward Miller & Co., Meriden, Conn.	
	Ohio Lantern Co., Tiffin, O.	*28
C. SOCKET LAMPS.	R. E. Dietz Co., 60 Laight St., New York.	*254
936. LAMPS, ELECTRIC.		
A. ARC LAMPS.	Brush Electric Co., Cleveland, O.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Ft. Wayne Electric Co., Ft. Wayne, Ind.	
	Schuyler Electric Co., Middletown, Conn.	
	Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.	
	Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.	
B. INCANDESCENT LAMPS.	Brush Electric Co., Cleveland, O.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Ft. Wayne Electric Co., Ft. Wayne, Ind.	
	Schuyler Electric Co., Middletown, Conn.	
	Westinghouse Electric Mfg. Co., Pittsburgh, Pa.	
937. LAMPS, FISHING.	Jas. R. Barker & Son, Kendallville, Ind.	
938. LAMPS, FURNACE.	Taylor & Boggis Foundry Co., Cleveland, O.	
939. LAMPS, HOUSE.		
A. ARTISTIC IRON LAMPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	W. H. Pries, 433 Canal St., New York.	
	Fred. G. Ulrich, Newark, N. J.	
	John Williams, 556 W. 57th St., New York.	
B. BANQUET LAMPS, BRASS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	

	Craighead & Kintz Co., Ballardvale, Mass.	
	R. Hollings & Co., 51 Troy St., Boston, Mass.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Lane Mfg. Co., Kenosha, Wis.	
	Meriden Bronze Co., Meriden, Conn.	
	Middletown Plate Co., Middletown, Conn.	
	Wilcox & Matthews Co., 42 Murray St., New York.	
C. BANQUET LAMPS, IRON.	Craighead & Kintz Co., Ballardvale, Mass.	
	W. H. Pries, 433 Canal St., New York.	
D. BRACKET LAMPS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.	
	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Rochester Lamp Co., 37 Barclay St., New York.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
E. BRASS LAMPS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	American Oil Stove Co., Gardner, Mass.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Bristol Brass & Clock Co., Forestville, O.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Meriden Bronze Co., Meriden, Conn.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Rochester Lamp Co., 37 Barclay St., New York.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Wallace & Sons, Ansonia, Conn.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
	John Williams, 544 W. 27th St., New York.	
F. BRONZE IRON LAMPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
G. CENTRAL DRAUGHT LAMPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.	
	Edward Miller & Co., Meriden, Conn.	
	New Jersey Lamp & Bronze Works, New Brunswick, N. J.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
. CHANDELIER LAMPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Chas. Brox, Port Jervis, N. Y.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
I. CLOCK LAMPS.	Bristol Brass & Clock Co., Forestville, Conn.	
J. CUT GLASS LAMPS.	C. Doerflinger & Sons, White Mills, Pa.	
	Mount Washington Glass Co., New Bedford, Mass.	
	Phœnix Glass Co., Pittsburgh, Pa.	
	Valley Glass Co., Beaver Falls, Pa.	
K. DECORATED LAMPS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	Bradley & Hubbard Mfg Co., Meriden, Conn.	
	Buckeye Glass Co., Martin's Ferry, O.	
	Challinor, Taylor & Co., 96 Church St., New York.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	Meriden Britannia Co., Meriden, Conn.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Mount Washington Glass Co., New Bedford, Mass.	
	New Jersey Lamp & Bronze Works, New Brunswick, N. J.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Smith Bros., New Bedford, Mass.	
	Wallace & Sons, Ansonia, Conn.	
L. EXTENSION LAMPS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Bristol Brass & Clock Co., Forestville, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	

	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
M. FAIRY LAMPS.	A. J. Beatty & Son, Tiffin, O.	*20
N. FLASH LAMPS.	Physician Supply Mfg. Co., 140 Nassau St., New York.	
	W. H. Walmsley, Ltd., 1022 Walnut St., Philadelphia, Pa.	
O. GLASS LAMPS.	A. J. Beatty & Son, Tiffin, O.	*20
	Belmont Glass Works, Bellaire, O.	
	Central Glass Co., Wheeling, W. Va.	*21
	Thomas Evans Co., Pittsburgh, Pa.	
	Fostoria Glass Co., Fostoria, O.	
	Fostoria Shade & Lamp Co., Fostoria, O.	
	Hemingray Glass Co., Covington, Ky.	
	King Glass Co., Pittsburgh, Pa.	*23
	Lane Mfg. Co., Kenosha, Wis.	
	S. McKee & Co., Pittsburgh, Pa.	
	Mount Washington Glass Co., New Bedford, Mass.	
	New Brighton Glass Co., New Brighton, Pa.	*24
	Nickel Plate Glass Co., Fostoria, O.	
	Phœnix Glass Co., Pittsburgh, Pa.	
	Riverside Glass Works, Wellsburg, W. Va.	
	Valley Glass Co., Beavers Falls, Pa.	
P. HALL LAMPS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvalle, Mass.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
Q. HALL LAMPS, EXTENSION.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
R. HAND LAMPS, BRASS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Bristol Brass & Clock Co., Forestville, Conn.	
	Lane Mfg. Co., Kenosha, Wis.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Edward Miller & Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Tower & Lyon, 95 Chambers St., New York.	
	Wallace & Sons, Ansonia, Conn.	
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass.	*52
S. HAND LAMPS, GALVANIZED.	James Hill Mfg. Co., Providence, R. I.	
T. HAND LAMPS, GLASS.	Belmont Glass Works, Bellaire, O.	
	Canton Glass Co., Canton, O.	
	Thos. Evans Co., Pittsburgh, Pa.	
	Fostoria Glass Works, Fostoria, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
	S. McKee & Co., Pittsburgh, Pa.	
	New Brighton Glass Co., New Brighton, Pa.	*24
	Riverside Glass Works, Wellsburg, W. Va.	
U. HAND LAMPS, TIN.	C. T. Ham Mfg. Co., Rochester, N. Y.	
	F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.	
	Ohio Lantern Co., Tiffin, O.	*28
	Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.	
V. HANGING LAMPS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	American Oil Stove Co., Gardner, Mass.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	R. E. Dietz Co., 60 Laight St., New York.	*254
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Lane Mfg. Co., Kenosha, Wis.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.	
	Edward Miller & Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Rochester Lamp Co., 37 Barclay St., New York.	
W. HARP LAMPS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Edward Miller & Co., Meriden, Conn.	

	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
X. JACKET LAMPS.	Edward Miller & Co., Meriden, Conn.	
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass.	*52
Y. JEWELLED LAMPS.	E. P. Gleason Mfg. Co., 20 W. Houston St., New York.	
	Kruse & Baron, 207 Centre St., New York.	
Z. LIBRARY LAMPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Wallace & Sons, Ansonia, Conn.	
AA. LIBRARY LAMPS, EXTENSION.	Craighead & Kintz Co., Ballardvale, Mass.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
BB. MECHANICAL LAMPS.	Hitchcock Lamp Co., Watertown, N. Y.	
CC. METAL FIGURE LAMPS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	Middletown Plate Co., Middletown, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	New Jersey Lamp & Bronze Works, New Brunswick, N. J.	
DD. NEWEL POST LAMPS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Charles Parker Co., Meriden, Conn.	
EE. NICKEL LAMPS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Pittsburgh Brass Co., Pittsburgh, Pa.	
FF. NIGHT LAMPS.	Bristol Brass & Clock Co., Forestville, Conn.	
	Buckeye Glass Co., Martin's Ferry, O.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	R. E. Dietz & Co., 60 Laight St., New York.	*254
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	Edward Miller & Co., Meriden, Conn.	
	Plume & Atwood Mfg. Co., 18 Murray St., New York.	
	Riverside Glass Works, Wellsburg, W. Va.	
	Rochester Lamp Co., 37 Barclay St., New York.	
	Wallace & Sons, Ansonia, Conn.	
GG PIANO LAMPS, BRASS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	
	R. Hollings & Co., 51 Troy St., Boston, Mass.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	H. L. Judd & Co., 87 Chambers St., New York.	
	J. F. Kitchell Mfg. Co., Newark, N. J.	
	Lane Mfg. Co., Kenosha, Wis.	
	Meriden Bronze Co., Meriden, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Mitchell-Vance Co., 237 10th Av., New York.	
	New Jersey Lamp & Bronze Works, New Brunswick, N. J.	
	Charles Parker Co., Meriden, Conn.	
	Pittsburgh Brass Co., Allegheny, Pa.	
	Rochester Lamp Co., 37 Barclay St., New York.	
	Wilcox & Matthews Co., 42 Murray St., New York.	
HH. PIANO LAMPS, IRON.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	R. Hollings & Co., 51 Troy St., Boston, Mass.	
	Mitchell-Vance Co., 237 10th Av., New York.	
	W. H. Pries, 433 Canal St., New York.	
II. SILVER PLATED LAMPS.	Manhattan Silver Plate Co., 23 John St., New York.	
	Middletown Plate Co., Middletown, Conn.	
	Edward Miller & Co., Meriden, Conn.	
	Pairpoint Mfg. Co., New Bedford, Mass.	25
	Pittsburgh Brass Co., Allegheny, Pa.	
	Simpson, Hall, Miller & Co., Wallingford, Conn.	
	Wilcox Silver Plate Co., Meriden, Conn.	
JJ. STAND LAMPS, GLASS.	Belmont Glass Works, Bellaire, O.	
	Canton Glass Co., Canton, O.	
	Columbia Glass Co., Findlay, O.	
	Fostoria Glass Works, Fostoria, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
KK. STAND LAMPS, METAL.	Bristol Brass & Clock Co., Forestville, Conn.	
	Craighead & Kintz Co., Ballardvale, Mass.	

J. W. Fiske, 28 Park Place, New York.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Lane Mfg. Co., Kenosha, Wis.
Meriden Malleable Iron Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
Edward Miller & Co., Meriden, Conn.
Pittsburgh Brass Co., Pittsburgh, Pa.
Wellington Mfg. Co., 468 Cherry St., New York.

LL. STUDENT LAMPS.
Manhattan Brass Co., 338 E. 28th St., New York.
F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.
Edward Miller & Co., Meriden, Conn.
Post & Co., 217 W. 4th St., Cincinnati, O.
Wellington Mfg. Co., 468 Cherry St., New York.
Wm. Wiler, 235 S. 5th St., Philadelphia, Pa.

MM. TABLE LAMPS.
American Oil Stove Co., Gardner, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bristol Brass & Clock Co., Forestville, Conn.
Craighead & Kintz Co., Ballardvale, Mass.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Middletown Plate Co., Middletown, Conn.
Edward Miller & Co., Meriden, Conn.
Mitchell-Vance Co., 237 10th Av., New York.
Pittsburgh Brass Co., Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wellington Mfg. Co., 468 Cherry St., New York.
Wilcox & Mathews Co., 42 Murray St., New York.

NN. VASE LAMPS.
American-Belgian Lamp Co., 31 Barclay St., New York.
Craighead & Kintz Co., Ballardvale, Mass.
Fostoria Glass Co., Fostoria, O.
Edward Miller & Co., Meriden, Conn.
Charles Parker Co., Meriden, Conn.
Pittsburgh Brass Co., Pittsburgh, Pa.
W. H. Pries, 433 Canal St., New York.

OO. WAX NIGHT LAMPS.
T. W. Houchin, 67 Park Place, New York.

940. LAMPS, MARINE.
American-Belgian Lamp Co., 31 Barclay St., New York.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
James Gregory, 106 Cannon St., New York.
C. T. Ham Mfg. Co., Rochester, N. Y.
Hicks & Smith, 42 S. 5th Av., New York.
Edward Miller & Co., Meriden, Conn.
Post & Co., 217 W. 4th St., Cincinnati, O.
Steam Gauge & Lantern Co., Syracuse, N. Y. *251

941. LAMPS, MINERS'.
Bellaire Stamping Co., Bellaire, O.
James M. Everhart, Scranton, Pa.
Howard & Morse, 45 Fulton St., New York.
Hunt & Connell, Ltd., Scranton, Pa.
Edward Miller & Co., Meriden, Conn.
Sidney Shepard & Co., Buffalo, N. Y.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

942. LAMPS, PULPIT.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
J. & R. Lamb, 59 Carmine St., New York.
Edward Miller & Co., Meriden, Conn.
Jos. Neumann Co., 11th & Race Sts., Philadelphia, Pa.
Charles Parker Co., Meriden, Conn.

943. LAMPS, RAILROAD.

A. CABOOSE & TAIL LAMPS.
C. T. Ham Mfg. Co., Rochester, N. Y.
Larter, Elcox & Co., 41 Maiden Lane, New York.
Post & Co., 217 W. 4th St., Cincinnati, O.

B. CAR LAMPS.
American Oil Stove Co., Gardner, Mass.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Dayton Mfg. Co., Dayton, O.
R. E. Dietz Co., 60 Laight St., New York. *254
Hicks & Smith, 42 S. 5th Av., New York.
Jas. L. Howard & Co., Hartford, Conn.
Lewis & Fowler Mfg Co., 29 Walworth St., Brooklyn, N. Y.
Post & Co., 217 W. 4th St., Cincinnati, O.
Railroad Signal Lamp & Lantern Co., 447 W. 53d St., New York.
Sherburne & Co., 53 Oliver St., Boston, Mass.
Josephine D. Smith, 352 Pearl St., New York.
Steam Gauge & Lantern Co., Syracuse, N. Y.

C. LOCOMOTIVE CAB LAMPS.
C. T. Ham Mfg. Co., Rochester, N. Y.
Sherburne & Co., 53 Oliver St., Boston, Mass.

D. LOCOMOTIVE HEAD LIGHTS.
Adams & Westlake Co., Ontario c. N. Franklin Sts., Chicago, Ill.
Buhl Stamping Co., Detroit, Mich.
Cincinnati Railway Supply Co., 53 W. 2d St., Cincinnati, O.

Dayton Mfg. Co., Dayton, O.
C. T. Ham Mfg. Co., Rochester, N. Y.
Kelly Lamp Co., Rochester, N. Y.
Post & Co., 217 W. 4th St., Cincinnati, O.
Sherburne & Co., 53 Oliver St., Boston, Mass.
Josephine D. Smith, 352 Pearl St., New York.
Star Head Light Co., Rochester, N. Y.
Steam Gauge & Lantern Co., Syracuse, N. Y.
Wheeler Reflector Co., 18 Washington St., Boston, Mass.
Irvin A. Williams & Co., Utica, N. Y.

E. LOCOMOTIVE HEAD LIGHTS, ELECTRIC.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Ft. Wayne Electric Co., Ft. Wayne, Ind.

F. SIGNAL LAMPS.
Adams & Westlake Co., Ontario & Franklin Sts., Chicago, Ill.
American Oil Stove Co., Gardner Mass.
Railroad Signal Lamp & Lantern Co., 447 W. 53d St., New York.
Steam Gauge & Lantern Co., Syracuse, N. Y. *251

G. STATION LAMPS, TUBULAR.
C. T. Ham Mfg. Co., Rochester, N. Y.
Steam Gauge & Lantern Co., Syracuse, N. Y. *251

H. SWITCH TARGET LAMPS.
C. T. Ham Mfg. Co., Rochester, N. Y.
Steam Gauge & Lantern Co., Syracuse, N. Y. *251

944. LAMPS, REGENERATIVE GAS.

Siemens-Lungren Co., 813 Drexel Building, Philadelphia, Pa.

945. LAMPS, STREET.

A. GAS STREET LAMPS.
Bartlett Street Lamp Mfg. Co., 42 College Place, New York.
R. E. Dietz Co., 60 Laight St., New York. *254
Excelsior Lantern Co., 192 Water St., New York.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.
Steam Gauge & Lantern Co., Syracuse, N. Y. *251
Sun Vapor Street Light Co., Canton, O.
Wm. G. Price Co., Pittsburgh, Pa.
Wellington Mfg. Co., 468 Cherry St., New York.
Wheeler Reflector Co., 18 Washington St., Boston, Mass.

B. REFLECTING STREET LAMPS.
Bartlett Street Lamp Mfg. Co., 42 College Place, New York.
Edward Miller & Co., Meriden, Conn.
Wheeler Reflector Co., 18 Washington St., Boston, Mass.

946. LAMPS, WAREHOUSE.

R. E. Dietz Co., 60 Laight St., New York. *254

947. LANTERNS.

Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
American Oil Stove Co., Gardner, Mass.
American Reflector Co., 132 N. 5th St., Philadelphia, Pa.
Bellaire Stamping Co., Bellaire, O.
Bridgeport Brass Co., Bridgeport, Conn. *27
Bristol Brass & Clock Co., Forestville, Conn.
Buhl Stamping Co., Detroit, Mich.
R. E. Dietz Co., 60 Laight St., New York.
Eureka Lantern Works, Schuylerville, N. Y.
E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
C. T. Ham Mfg. Co., Rochester, N. Y.
Hicks & Smith, 42 S. 5th Av., New York.
Howard & Morse, 45 Fulton St., New York.
Manhattan Brass Co., 338 E. 28th St., New York.
Mathews & Willard Mfg. Co., Waterbury, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.
Edward Miller & Co., Meriden, Conn.
Nail City Lantern Co., Wheeling, W. Va.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Wm. Porter's Sons, 271 Pearl St., New York.
Post & Co., 217 W. 4th St., Cincinnati, O.
Railroad Signal Lamp & Lantern Co., 447 W. 53d St., New York.
Romer & Co., Newark, N. J.
Steam Gauge & Lantern Co., Syracuse, N. Y. *251
Wheeler Reflector Co., 18 Washington St., Boston, Mass.

A. BRASS LANTERNS.
Bridgeport Brass Co., Bridgeport, Conn. *27
R. E. Dietz Co., 60 Laight St., New York. *254
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Edward Miller & Co., Meriden, Conn.

B. BULKHEAD LANTERNS.
C. T. Ham Mfg. Co., Rochester, N. Y.
Edward Miller & Co., New Haven, Conn.

C. BULL'S EYE LANTERNS.
R. E. Dietz Co., 60 Laight St., New York. *254
Howard & Morse, 45 Fulton St , New York.
F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.
Edward Miller & Co., Meriden, Conn.

D. BUOY LANTERNS.
C. T. Ham Mfg. Co., Rochester, N. Y.

E. CONDUCTORS' LANTERNS.
C. T. Ham Mfg. Co., Rochester, N. Y.
F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.

	Post & Co., 217 W. 4th St., Cincinnati, O.	
F. FIREMEN'S LANTERNS.	Anderson & Jones, 125 Grand St., New York.	
	Cairns & Bro., 143 Grand St., New York.	
G. GLOBE LANTERNS.	Bellaire Stamping Co., Bellaire, O.	
	Excelsior Lantern Co., 194 Water St., New York.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
H. HALL LANTERNS, HANGING.	Edward Miller & Co., Meriden, Conn.	
	Joseph Neumann Co., 11th & Race Sts., Philadelphia, Pa.	
	Charles Parker Co., Meriden, Conn.	
I. PAPER LANTERNS.	A. Gotthelf's Sons, 29 Willet St., New York.	
J. POCKET LANTERNS.	R. E. Dietz Co., 60 Laight St., New York.	*254
K. RAILWAY LANTERNS.	American Oil Stove Co., Gardner, Mass.	
	F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.	
	Edward Miller & Co., Meriden, Conn.	
	Ohio Lantern Co., Tiffin, O.	*28
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Railroad Signal Lamp & Lantern Co., 447 W. 53d St., New York.	
	Josephine D. Smith, 350 Pearl St., New York.	
	Steam Gauge & Lantern Co., Syracuse, N. Y.	*251
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
L. REFLECTOR LANTERNS.	Eureka Lantern Works, Schuylerville, N. Y.	
	C. T. Ham Mfg. Co., Rochester, N. Y.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
M. SAFETY LANTERNS.	Eureka Lantern Works, Schuylerville, N. Y.	
	U. S. Supply Co., Ltd., 51 John St., New York.	
	Westland Safety Lamp Co., Providence, R. I.	
N. STREET LANTERNS.	American-Belgian Lamp Co., 31 Barclay St., New York.	
	American Oil Stove Co., Gardner, Mass.	
	J. B. & J. M. Cornell, 141 Centre St., New York.	
	Nathaniel Tufts, 153 Franklin St., Boston, Mass.	
	Josephine D. Smith, 352 Pearl St., New York.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
O. TAPER LANTERNS.	Grumbach & Grote, 125 Hudson St., New York.	
P. TUBULAR LANTERNS.	Bellaire Stamping Co., Bellaire, O.	
	Buhl Stamping Co., Detroit, Mich.	
	R. E. Dietz Co., 60 Laight St., New York.	*254
	Eureka Lantern Works, Ltd., Schuylerville, N. Y.	
	C. T. Ham Mfg. Co., Rochester, N. Y.	
	Mathews & Willard Mfg. Co., Waterbury, Conn.	
	F. Meyrose Lamp Co., 735 S. 4th St., St. Louis, Mo.	
	Nail City Lantern Co., Wheeling, W. Va.	
	Ohio Lantern Co., Tiffin, O.	*28
	Steam Gauge & Lantern Co., Syracuse, N. Y.	*251
	Winfield Mfg. Co., Warren, O.	
948. LANTERN TRIMMINGS.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Edward Miller & Co., Meriden, Conn.	
949. MAGNESIUM FLASH LIGHT APPARATUS.		
	S. Hawkridge, Hoboken, N. J.	
	H. G. Ramsperger & Co., 180 Pearl St., New York.	
	Von Lengerke & Detmold, 8 Murray St., New York.	
950. MATCHES.	American Fusee Co., Erie, Pa.	
	Diamond Match Co., 92 Friend St., Boston, Mass.	
	Miller Bros. & Co., Pine Grove, Pa.	
	Portland Star Match Co., Portland, Me.	
	York Match Co., York, Pa.	
951. REFLECTORS.		
A. DAYLIGHT REFLECTORS.	American Reflector Co., 132 N. 5th St., Philadelphia, Pa.	
	Peerless Lead Glass Works, Pittsburgh, Pa.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
B. ELECTRIC LIGHT REFLECTORS.	Frederick Klemm, 132 N. 5th St., Philadelphia, Pa.	
	Edward Miller & Co., Meriden, Conn.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
C. ENAMELLED REFLECTORS.	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
D. GAS LIGHT REFLECTORS.	B. Goetz Mfg. Co., 172 Mercer St., New York.	
	Josephine D. Smith, 352 Pearl St., New York.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
E. LAMP REFLECTORS.	Dayton Mfg. Co., Dayton, O.	
	Thomas Evans Co., Pittsburgh, Pa.	
	Excelsior Flint Glass Co., Pittsburgh, Pa.	
	Isaac P. Frink, 551 Pearl St., New York.	
	Gill Bros. & Co., Steubenville, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Peerless Lead Glass Works, Pittsburgh, Pa.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	

F. MIRROR PLATE REFLECTORS.	I. P. Frink, 551 Pearl St., New York.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
G. PICTURE LIGHTS.	I. P. Frink, 551 Pearl St., New York.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
H. SILVERED GLASS REFLECTORS.	Thos. Evans Co., Pittsburgh, Pa.	
	Gill Bros. & Co., Steubenville, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	Geo. A. Macbeth & Co., Pittsburgh, Pa.	
	Wheeler Reflector Co., 18 Washington St., Boston, Mass.	
952. SCONCES.		
A. BRASS SCONCES.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Palmer Mfg. Co., 290 Pearl St., New York.	
B. BRONZE SCONCES.	Meriden Bronze Co., Meriden, Conn.	
	New Jersey Lamp & Bronze Works, New Brunswick, N. J.	
C. PLATED SCONCES.	Meriden Britannia Co., Meriden, Conn.	
953. SMOKE BELLS.		
A. BRASS SMOKE BELLS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
B. GLASS SMOKE BELLS.	A. J. Beatty & Sons, Tiffin, O.	*20
	Canton Glass Co., Canton, O.	
	Gillinder & Sons, 135 Oxford St., Philadelphia, Pa.	
	King Glass Co., Pittsburgh, Pa.	*23
954. TORCHES.		
A. ALCOHOL TORCHES.	Mitchell-Vance Co., 237 10th Av., New York.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
	William Wiler, 223 S. 5th St., Philadelphia, Pa.	
B. CAMPAIGN TORCHES.	Horne & Danz Co., St. Paul, Minn.	
	Sidney Shepard & Co., Buffalo, N. Y.	
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass.	*52
C. EXTENSION TORCH HANDLES.	Thos. W. Houchin, 67 Park Place, New York	
D. GAS LIGHTING TORCHES.	A. S. Henn & Co., New Haven, Conn.	
	Thos. W. Houchin, 67 Park Place, New York.	
E. GASOLINE TORCHES.	American Oil Stove Co., Gardner, Mass.	
	Eugene Munsell & Co., 218 Water St., New York.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
F. OIL TORCHES.	American Oil Stove Co., Gardner, Mass.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Wm. Vogel & Bros., 37 9th St., S. Brooklyn, N. Y.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
G. PORTABLE TORCHES.	American Oil Stove Co., Gardner, Mass.	
	Wellington Mfg. Co., 468 Cherry St., New York.	
H. TAPER TORCHES.	Mitchell-Vance Co., 237 10th Av., New York.	
I. WALL TORCHES.	American Oil Stove Co., Gardner, Mass.	
955. WICKS.		
A. ASBESTOS WICKING.	Chalmers-Spence Co., 419 8th St., New York.	
	H. F. Watson Co., Erie, Pa.	
B. CANDLE WICKS.	American Wick Mfg. Co., Troy, N. Y.	
	A. R. Darrow, E. Lyme, Conn.	
	Fletcher Mfg. Co., Providence, R. I.	
	Lees Mfg. Co., Westport, Conn.	
	Henry Pearce's Sons Co., 114 W. 2d St., Cincinnati, O.	
	Pennsylvania Cotton Mill, Pittsburgh, Pa.	
	Thos. Sheldon, Central Village, Conn.	
	Tuscaloosa Mfg. Co., Tuscaloosa, Ala.	
	S. R. Weeden & Son, Providence, R. I.	
	Westcott Mfg. Co., Fall River, Mass.	
C. COTTON BALL WICKS.	Fletcher Mfg. Co., Providence, R. I.	
	Massasoit Mfg. Co., Fall River, Mass.	
D. COTTON WICKS.	American Tubing & Webbing Co., Providence, R. I.	
	American Wick Mfg. Co., Troy, N. Y.	
	Eagle Cotton Mill Co., Madison, Ind.	
	Fletcher Mfg. Co., Providence, R. I.	
	A. Green & Co., Baltimore, Md.	
	January & Wood Co., Maysville, Ky.	
	Lees Mfg. Co., Westport, Conn.	
	Pennsylvania Cotton Mill, Pittsburgh, Pa.	
	Tyler Batting & Yarn Mill, Wyoming, R. I.	
E. LAMP WICKS.	American Tubing & Webbing Co., Providence, R. I.	
	American Wick Mfg. Co., Troy, N. Y.	
	Fletcher Mfg. Co., Providence, R. I.	

F. MINERS' WICKS.

Mount Ida Mfg. Co., Troy, N. Y.
Thos. Sheldon, Central Valley, Conn.
Fletcher Mfg. Co., Providence, R. I.
Lees Mfg. Co., Westport, Conn.
Thos. Sheldon, Central Valley, Conn.

XXIV. LIQUORS.

956. ALE.

P. Ballantine & Sons, Newark, N. J.
Beadleston & Woerz, 291 W. 10th St., New York.
Bergner & Engel Brewing Co., Master c. N. 32d Sts., Phila., Pa.
G. F. Burkhardt, Parker cor. Station Sts., Boston, Mass.
Geo. Carey & Co., 934 N. 3d St., Philadelphia, Pa.
Fitzgerald Bros., Troy, N. Y.
Greenway Brewing Co., Syracuse, N. Y.
Howard & Fuller Br. Co., Bridge & Plymouth Sts., B'klyn, N. Y.
Kennedy & Murphy, Troy, N. Y.
Herman Koehler & Co., 345 E. 29th St., New York.
Leavy & Britton Brewing Co., 195 Front St., Brooklyn, N. Y.
Long Island Brewery, 81 3d Av., Brooklyn, N. Y.
A. E. Smith, Wheeling, W. Va.
Tracy & Russell, 61 Greenwich Av., New York.
M. Vassar & Co., Poughkeepsie, N. Y.
Jas. Wallace & Sons, 394 Cherry St., New York.
John Weihmann, 927 Callowhill St., Philadelphia, Pa.

A. GINGER ALE.

Baker & Co., Newark, N. J.
Bolen & Byrne, 419 E. 54th St., New York.
Centennial Brewing Co., Butte City, Mont.
Thos. Clements, 236 Queen St., Philadelphia Pa.
De Lisser & Co., 457 W. 26th St., New York.
Houck & Dieter, El Paso, Tex.
Manitou Mineral Water Co., Manitou Springs, Col.
Sachs-Prudens Ale Co., Dayton, O.

B. INDIA PALE ALE.

Bergner & Engel Brewing Co., Master c. N. 32d Sts., Phila., Pa.
Greenway Brewing Co., Syracuse, N. Y.
T. C. Lyman, 422 W. 38th St., New York.
H. Rademaker & Sons, Grand Rapids, Mich.
Sachs-Prudens Ale Co., Dayton, O.

957. BEER.

A. EXPORT BEER.

Anheuser-Busch Brewing Association, St. Louis, Mo.
Beadleston & Woerz, 291 W. 10th St., New York.
Bergner & Engel Brewing Co., Master c. N. 32d Sts., Phila., Pa.
Pabst Brewing Co. of Milwaukee, Milwaukee, Wis.
Jacob Ruppert, 1639 3d Av., New York.

B. LAGER BEER.

American Brewing Co., Rochester, N. Y.
Anheuser-Busch Brewing Association, St. Louis, Mo.
P. Ballantine & Sons, Newark, N. J.
Baltimore Brewing Co., Baltimore, Md.
Wm. Banholzer, St. Paul, Minn.
Bartholomay Brewing Co., Rochester, N. Y.
G. Bauerlein Brewing Co., Bennett, Pa.
G. Bauernschmidt Brewing Co., Baltimore, Md.
Beadleston & Woerz, 291 W. 10th St., New York.
Magnus Beck Brewing Co., Buffalo, N. Y.
Hermann Berghoff Brewing Co., Ft. Wayne, Ind.
Bergner & Engel Brewing Co., Master c. N. 32d Sts., Phila., Pa.
Wm. Bierbauer, Mankato, Minn.
Val. Blatz Brewing Co., Milwaukee, Wis.
G. F. Burkhardt, Parker & Station Sts., Boston, Mass.
Burr Brewing Co., 227 W. 18th St., New York.
Centennial Brewing Co., Butte City, Mont.
F. W. Cook Brewing Co., Evansville, Ind.
Cooke Brewing Co., 27th St. cor. Johnson Av., Chicago, Ill.
Cream City Brewing Co., Milwaukee, Wis.
Crescent Brewing Co., Indianapolis, Ind.

Crystal Spring Brewing Co., Syracuse, N. Y.
Dallas Brewing Co., Dallas, Tex.
Decatur Brewing Co., Decatur, Ill.
Eagle Brewing Co., Utica, N. Y.
Geo. Ehret, 235 E. 92d St, New York.
Fred. Emmert Brewing Co., St. Paul, Minn.
Jas. Everard, 12 E. 133d St., New York.
A. Finck & Son, 326 W. 39th St., New York.
Finlay Brewing Co., Toledo, O.
Fitger & Co., Duluth, Minn.
Foss-Schneider Brewing Co., 279 Freeman Av., Cincinnati, O.
M. Funk, St. Paul, Minn.
Gambrinus Stock Co., Sycamore & Abigail Sts., Cincinnati, O.
Genesee Brewing Co., Rochester, N. Y.
Gerke Brewing Co., Plum & Canal Sts., Cincinnati, O.
Germania Brewing Co., Syracuse, N. Y.
Gottfried Brewing Co., 85 Alexander St., Chicago, Ill.
Grasser & Brand Brewing Co, Toledo, O.
Greenway Brewing Co., Syracuse, N. Y.
John Gund Brewing Co., La Crosse, Wis.
A. Haas Brewing Co., Houghton, Mich.
Theo. Hamm, St. Paul, Minn.
Hartman & Fehrenback Brewing Co., Wilmington, Del.
John Hauck Brewing Co., 41 Dayton St., Cincinnati, O.
Ferd. Heim Brewing Co., Kansas City, Mo.
L. Hoster Brewing Co., Columbus, O.
A. J. Houghton & Co., 37 Station St., Boston, Mass.
Jones, Cook & Co., 147 Congress St., Boston, Mass.
Jung Brewing Co., 765 Freeman Av., Cincinnati, O.
John Kaufman Brewing Co., 598 Vine St., Cincinnati, O.
Wm. Kearney, Syracuse, N. Y.
Keystone Brewing Co., Pittsburgh, Pa.
F. Koehler & Co., Erie, Pa.
John Kress Brewing Co., 213 E. 54th St., New York.
Gottfried Krueger, Newark, N. J.
Wm. J. Lemp, 13th & Cherokee Sts., St. Louis, Mo.
S. Liebmann's Sons, 36 Forrest St., Brooklyn, N. Y.
Lone Star Brewing Co., San Antonio, Tex.
Lyon & Sons Brewing Co., Newark, N. J.
J. & A. McKechnie Brewing Co., Canandaigua, N. Y.
Macon Brewing Co., Macon, Ga.
Madison Brewing Co., Madison, Ind.
Metz & Bro., Omaha, Neb.
C. & J. Michel Brewing Co., La Crosse, Wis.
Christian Moerlein Brewing Co., 711 Elm St., Cincinnati, O.
Montgomery Brewing Co., Montgomery, Ala.
Ferd. Munch, 283 Vernon Av., Brooklyn, N. Y.
Muskegon Brewing Co., Muskegon, Mich.
National Brewing Co., Baltimore, Md.
National Brewing Co., San Francisco, Cal.
New Orleans Brewing Association, New Orleans, La.
Niagara Falls Brewing Co., Niagara Falls, N. Y.
J. Obermann Brewing Co., Milwaukee, Wis.
Obermeyer & Liebmann, Bremen & Forrest Sts., Brooklyn, N. Y.
Pabst Brewing Co. of Milwaukee, Milwaukee, Wis.
Phœnix Brewing Co., Louisville, Ky.
Robert Portner Brewing Co., Augusta, Ga.
F. A. Poth Brewing Co., N. 31st & Jefferson Sts., Phila., Pa.
Paul Reising & Co., New Albany, Ind.
Reymann Brewing Co., Wheeling, W. Va.
Geo. Ringler & Co., 1643 3d Av., New York.
Rubsam & Horrmann Brewing Co., Stapleton, N. Y.
Jacob Ruppert, 1639 3d Av., New York.
St. Louis Brewing Association, 421 Olive St., St. Louis, Mo.
Salt Lake City Brewing Co., Salt Lake City, Utah.
San Antonio Brewing Association, San Antonio, Tex.
Schaefer-Meyer Brewing Co., Louisville, Ky.
August Schell, New Ulm, Minn.
Jos. Schlitz Brewing Co., Milwaukee, Wis.
K. G. Schmidt Brewing Co., 9 Grant Place, Chicago, Ill.
Schmulback Brewing Co., Wheeling, W. Va.
P. Schoenhofen Br. Co., 18th St. & Canalport Av., Chicago, Ill.
Sedalia Brewing Co., Sedalia, Mo.
John G. Sohn & Co., 328 McMicken Av., Cincinnati, O.
Conrad Stein, 524 W. 57th St., New York.
David Stevenson, 519 10th Av., New York.

B. Stroh Brewing Co., Detroit, Mich.
Suffolk Brewing Co., 423 E. 8th St., Boston, Mass.
Tennessee Brewing Co., Memphis, Tenn.
Terre Haute Brewing Co., Terre Haute, Ind.
Tracy & Russell, 61 Greenwich Av., New York.
M. Vassar & Co., Poughkeepsie, N. Y.
Wacker & Birk Br. & Malt. Co., 171 N. Desplaines St., Chicago, Ill.
J. Walker Brewing Co., 385 Sycamore St., Cincinnati, O.
Jas. Wallace & Sons, 394 Cherry St., New York.
J. F. Wiessner & Bro. Brewing Co., Baltimore, Md.
Windisch-Muhlhauser Brewing Co., Liberty & Plum Sts., Cin., O.
Geo. Winter Brewing Co., 204 E. 55th St., New York.
Anthony Yoerg Brewing Co., St. Paul, Minn.
Ph. Zang Brewing Co., Denver, Col.

C. PILSENER BEER.
F. W. Cook Brewing Co., Evansville, Ind.
Falk, Jung & Borchert Brewing Co., Milwaukee, Wis.

D. ROOT BEER.
Chas. E. Hires, 117 Arch St., Philadelphia, Pa.
G. B. Seely's Son, 319 W. 15th St., New York.
George Stang, Louisville, Ky.

E. WEISS BEER.
Thomas Clements, 236 Queen St., Philadelphia, Pa.
Adrian Feyh, 266½ William St., New York.
E. Funk, 56 Osgood St., Chicago, Ill.
Andrew Koch, 455 1st Av., New York.
John Narr, 522 Richmond St., Philadelphia, Pa.
A. C. & G. F. Weber, Albany, N. Y.
W. H. Weber, Racine, Wis.

958. BITTERS.
L. Funke, Jr., 78 John St., New York.
Hostetter Co., Pittsburgh, Pa.
J. W. Wuppermann, 35 Broadway, New York.

959. BRANDY.
A. Brun & Co., Oakville, Cal.
H. W. Crabb, Oakville, Cal.
Cucamonga Wine Co., Cucamonga, Cal.
I. De Turk, Santa Rosa, Cal.
Edge Hill Vineyard Co., St. Helena, Cal.
J. Gundlach & Co., San Francisco, Cal.
Harris, Kingston & Reynolds, Rutherford, Cal.
Kohler & Frohling, San Francisco, Cal.
Napa Valley Wine Co., 11 First St., San Francisco, Cal.
L. J. Rose & Co., San Gabriel, Cal.
Geo. West & Co,, Stockton, Cal.

A. APPLE BRANDY.
W. B. Duffy Cider Co., Rochester, N. Y.
Geo. W. Hilliard, Brighton, Ill.

B. BLACKBERRY BRANDY.
Gordon & Dilworth, 565 Greenwich St., New York.
Mihalovitch Fletcher & Co., 170 E. Pearl St., Cincinnati, O.
T. Calvin Shafer Co., Ltd., 86 Cortlandt St., New York.

C. FRUIT BRANDY.
Rheinstrom Bros., Martin & Pearl Sts., Cincinnati, O.

D. GRAPE BRANDY.
John Becker, Belen, N. M.
Beringer Bros., St. Helena, Cal.
B. Dreyfus & Co., San Francisco, Cal.
C. W. Garrett & Co., Medoc, N. C.
Sierra Madre Vintage Co., Lamanda Park, Cal.
A. Schmidt, Jr., Wine Co., Sandusky, O.
Chas. Stern & Sons, Los Angeles, Cal.
A. Wehrle & Son, Middle Bass Island, O.

960. CIDER.
Alden Vinegar Co., 1001 N. Levee St., St. Louis, Mo.
Baker & Co., 74 Commercial St., Boston, Mass.
Seymour Barritt, Blissfield, Mich.
John C. Beach, Palatine Bridge, N. Y.
Bolen & Byrne, 419 E. 54th St., New York.
Brattleboro Jelly Co., Brattleboro, Vt.
Centennial Brewing Co., Butte City, Mont.
Central Mills, Ann Arbor, Mich.
Thomas Clements, 234 Queen St., Philadelphia, Pa.
Dahinden & Gallasch Mfg. Co., Milwaukee, Wis.
Michael Doyle & Co., Rochester, N. Y.
John A. Dowst, 179 Meserole Av., Brooklyn, N. Y.
W. B. Duffy Cider Co., Rochester, N. Y.
Edesheimer Bros., 693 Greenwich St., New York.
Genesee Fruit Co., Bouckville, N. Y.
B. F. Gentsch & Sons, Buffalo, N. Y.
Geo. W. Hilliard, Brighton, Ill.
Wm. Henning, Chicago, Ill.
Houck & Dieter, El Paso, Texas.
Kirby Cider Co., Chicago, Ill.
J. L. Kimberley, Buffalo, N. Y.
Miller, Pettingill & Foster, Lansing, Mich.

Hiller & Pettingill, Holley, N. Y.
Moe & Clapp, Parma, Mich.
V. Prinz Sons, 382 Main St., Cincinnati, O.
Edward Stange, Detroit, Mich.

961. CORDIALS.

G. W. Dunbar's Sons, New Orleans, La.
I. Calvin Shafer Co., Ltd., 86 Cortlandt St., New York.
Alex. Fries & Bro., 92 Reade St., New York.
Rheinstrom Bros., Main & Pearl St., Cincinnati, O.
Sharp & Dohme, Baltimore, Md.

962. GIN.

Calumet Distilling Co., 215 5th Av., Chicago, Ill.
Eastern Distilling Co., 701 Washington St., New York.
Phœnix Distilling Co., 25 S. Canal St., Chicago, Ill.
Henry H. Shufeldt & Co., 261 Kinzie St., Chicago, Ill.

963. HALF AND HALF.

Greenway Brewing Co., Syracuse, N. Y.

964. PORTER.

P. Ballantine & Sons, Newark, N. J.
Beadleston & Woerz, 291 W. 10th St., New York.
Bergner & Engel Brewing Co., Master & N. 2d St., Phila., Pa.
G. F. Burkhardt, Parker cor. Station Sts., Boston, Mass.
Geo. Carey & Co., 934 N. 3d St., Philadelphia, Pa.
Greenway Brewing Co., Syracuse, N. Y.
Howard & Childs, 524 W. 33d St., New York.
Howard & Fuller Brew.Co., Bridge & Plymouth Sts., Bklyn, N.Y.
Hermann Koehler & Co., 345 E. 29th St., New York.
Kennedy & Murphy, Troy, N. Y.
A. E. Smith, Wheeling, W. Va.
Tracy & Russell, 61 Greenwich Av., New York.
Jas. Wallace & Sons, 394 Cherry Ave., New York.

965. RUM.

A. MEDFORD RUM.

Daniel Lawrence & Sons, 26 Lancaster St., Boston, Mass.

B. NEW ENGLAND RUM.

Chapin, Trull & Co., 30 Central St., Boston, Mass.
E. N. Cook & Co., Buffalo, N. Y.
Felton & Son, 17 Broad St., Boston, Mass.

966. STOUT.

P. Ballantine & Sons, Newark, N. J.
Bergner & Engel Brew.Co., N.32d & MasterSts., Philadelphia, Pa.
Geo. Carey & Co., 934 N. 3d St., Philadelphia, Pa.
Greenway Brewing Co., Syracuse, N. Y.
New York & Brooklyn Brewing Co., Brooklyn, N. Y.

967. WHISKEY.

Calumet Distilling Co., 215 5th Ave., Chicago, Ill.
Eagle Distilling Co., Owensboro', Ky.
W. W. Johnson & Co., 14 Yeatman St., Cincinnati, O.
Nelson Distilling Co., 824 N. 3d St., St. Louis, Mo.
Phœnix Distillery, 25 S. Canal St., Chicago, Ill.
Riverdale Distilling Co., 264 Kinzie St., Chicago, Ill.
Henry H. Shufeldt & Co., 261 Kinzie St., Chicago, Ill.
Alex. Young Co., Ltd., 700 Passyunk Av., Philadelphia, Pa.

A. BLENDED WHISKEY.

Rheinstrom Bros., Main & Pearl Sts., Cincinnati, O.

B. BOURBON WHISKEY.

Calumet Distilling Co., 215 5th Ave., Chicago, Ill.
Daviess County Distilling Co., Owensboro', Ky.
Glenmore Distilling Co., Owensboro', Ky.
Kentucky Distilling Co., Louisville, Ky.
Marion County Distillery Co., Louisville, Ky.
Phœnix Distillery, 25 S. Canal St., Chicago, Ill.
James Walsh & Co., 3 Pike Bldg., Cincinnati, O.
G. G. White Co., Paris, Ky.

C. MALT WHISKEY.

Calumet Distilling Co., 215 5th Ave., Chicago, Ill.
E. N. Cook & Co., Buffalo, N. Y.
Duffy Malt Whiskey Co., Rochester, N. Y.
A. Guckenheimer & Bros., Pittsburgh, Pa.
Ph. Hamburger, Pittsburgh, Pa.
Moore & Sinnott, 232 S. Front St., Philadelphia, Pa.
Phœnix Distillery, 25 S. Canal St., Chicago, Ill.

D. RYE WHISKEY.

E. C. Berry, Distilling Co., Owensboro', Ky.
Elias Block & Sons, 28 Sycamore St., Cincinnati, O.
Calumet Distilling Co., 215 5th Ave., Chicago, Ill.
Jas. Clark, Cumberland, Md.
Clark Bros. Distilling Co., Peoria, Ill.
E. N. Cook & Co., Buffalo, N. Y.
Daviess County Distilling Co., Owensboro', Ky.
T. Dillinger & Sons, Ruff's Dale, Pa.
Jas. A. Dougherty's Sons, 1136 N. Front St., Philadelphia, Pa.
Jos. S. Finch & Co., Pittsburgh, Pa.
Freiberg & Workum, 28 Main St., Cincinnati, O.
Jas. R. Gray, Gray's Landing, Pa.
A. Guckenheimer & Bros., Pittsburgh, Pa.
Kentucky Distilling Co., Louisville, Ky.
Jas. Levy & Bro., 33 Sycamore St., Cincinnati, O.

Marion County Distillery Co., Louisville, Ky.
M. P. Mattingly, Owensboro', Ky.
Melvale Distilling Co., Melvale Station, Md.
Moore & Sinnott, 232 S. Front St., Philadelphia, Pa.
Jas. E. Pepper & Co., Lexington, Ky.
Phœnix Distillery, 25 S. Canal St., Chicago, Ill.
Geo. Robson & Co., 15 Sycamore St., Cincinnati, O.
Rock Spring Distilling Co., Owensboro', Ky.
W. B. Samuels & Co., Samuels' Depot, Ky.
Jas. Walsh & Co., 3 Pike Bldg., Cincinnati, O.
E. Walters & Co., Canton, Md.
G. G. White Co., Paris, Ky.

E. SOUR MASH WHISKEY.
Applegate & Sons, Louisville, Ky.
J. M. Atherton Co., Louisville, Ky.
Aurora Distilling Co., 240 W. 4th St., Cincinnati, O.
Belle of Nelson Distillery Co., Louisville, Ky.
Belmont Distillery Co., Louisville, Ky.
E. C. Berry Distilling Co., Owensboro', Ky.
Boldrick & Callaghan, Lebanon, Ky.
Burnam, Bennett & Co., Silver Creek, Ky..
E. H. Chase & Co., Louisville, Ky.
Cochran-Fulton Co., Louisville, Ky.
Calumet Distilling Co., 215 5th Ave., Chicago, Ill.
Early Times Distillery Co., Louisville, Ky.
Fible & Crabb, Eminence, Ky.
J. W. M. Field, Owensboro', Ky.
W. A. Gaines & Co., Frankfort, Ky.
Hill & Winstead, Henderson, Ky.
W. S. Hume & Co., Silver Creek, Ky.
Jackson, Van Arsdall & Co., McAffer, Ky.
T. J. Megibben & Bro., Cynthiana, Ky.
Chas. L. Mills, 18 W. 4th St., Cincinnati, O.
M. V. Monarch & Co., Owensboro', Ky.
Mueller, Wathen & Kobert, Lebanon, Ky.
Rock Spring Distilling Co., Owensboro', Ky.
T. B. Ripy, Lawrenceburgh, Ky.
W. B. Samuels & Co., Samuels' Depot, Ky.
T. W. Samuels, Beattyville, Ky.
Spring Water Distilling Co., Memphis Junction, Ky.
G. T. Stagg Co., Frankfort, Ky.
Stitzel Bros., Louisville, Ky.
Taylor & Williams, Louisville, Ky.
Union Distilling Co., 390 Richmond St., Cincinnati, O.
Warwick Co., Silver Creek, Ky.

F. SOUR MASH BOURBON.
E. J. Curley & Co., Camp Nelson, Ky.
Freiberg & Workum, 28 Main St., Cincinnati, O.
Labrot & Graham, Frankfort, Ky.
T. J. Megibben Co., Cynthiana, Ky.
Mellwood Distillery Co., Louisville, Ky.

G. SOUR MASH RYE.
Anderson & Nelson Distilling Co., Louisville, Ky.
E. C. Berry Distilling Co., Owensboro', Ky.
C. B. Cook Co., Cynthiana, Ky.
E. J. Curley & Co., Camp Nelson, Ky.
Labrot & Graham, Frankfort, Ky.
T. J. Megibben Co., Cynthiana, Ky.
Mellwood Distillery Co., Louisville, Ky.

H. SWEET MASH BOURBON.
J. M. Atherton Co., Louisville, Ky.
E. J. Curley & Co., Camp Nelson, Ky.

I. SWEET MASH RYE.
Elias Block & Sons, 28 Sycamore St., Cincinnati, O.
Nelson County Distillery Co., Louisville, Ky.
Crystal Spring Distillery Co., Louisville, Ky.
Fleishmann & Co., 169 Plum St., Cincinnati, O.
J. Levy & Bro., 33 Sycamore St., Cincinnati, O.
G. W. Robson, Jr. & Co., 15 Sycamore St., Cincinnati, O
Sweetwood Distilling Co., Louisville, Ky.
J. B. Wathen & Bro., Louisville, Ky.

J. WHEAT WHISKEY.
Moore & Sinnott, 232 S. Front St., Philadelphia, Pa.
Alex. Young & Co., 700 Passyunk Av., Philadelphia, Pa.

968. WINE.
American Wine Co., 3015 Cass Av., St. Louis, Mo.
John Becker, Belen, New Mexico.
Beringer Bros., St. Helena, Cal.
Paul O. Burns Wine Co., San José, Cal.
J. Chauvet, Glen Ellen, Cal.
H. W. Crabb, Oakville, Cal.
B. Dreyfus & Co., San Francisco, Cal.
Conrad Ernst, Sandusky, O.

C. W. Garrett & Co., Medoc, N. C.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
G. Grozinger, Yountville, Cal.
J. Gundlach & Co., San Francisco, Cal.
H. T. & J. D. Henderson, Himrod's, N. Y.
N. C. Kirk, Baraboo, Wis.
Lefranc & Masson, San José, Cal.
Lenk Wine Co., Toledo, O.
Wm. H. Mills, Sandusky, O.
Henry Pfeiffer, Put-in-Bay, O.
San Gabriel Wine Co., San Gabriel, Cal.
Mrs. C. Schraidt, Put-in-Bay, O.
Chas. Stern & Sons, Los Angeles, Cal.
Stone Hill Wine Co., Hermann, Mo.
A. Wehrle & Son, Middle Bass Island, O.

A. ANGELICA.
I. De Turk, Santa Rosa, Cal.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
Kohler & Frohling, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Napa Valley Wine Co., 11 1st St., San Francisco, Cal.
Sierra Madre Vintage Co., Lamanda Park, Cal.
Chas. Stern & Sons, Los Angeles, Cal.

B. BURGUNDY.
Beringer Bros., Helena, Cal.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
Kohler & Frohling, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Chas. Stern & Sons, Los Angeles, Cal.

C. CATAWBA.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
H. T. & J. D. Henderson, Himrod's, N. Y.
Kohler & Frohling, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Lenk Wine Co., Toledo, O.
New Urbana Wine Co., Urbana, N. Y.
Pleasant Valley Wine Co., Rheims, N. Y.

D. CHAMPAGNES.
American Champagne Co., 839 Folsom St., San Francisco, Cal.
American Wine Co., 3015 Cass Av., St. Louis, Mo.
Pleasant Valley Wine Co., Rheims, N. Y.
Rheinstrom Bros., Martin & Pearl Sts., Cincinnati, O.
A. Werner & Co., 52 Warren St., New York.

E. CLARET.
Beringer Bros., St. Helena, Cal.
I. De Turk, Santa Rosa, Cal.
Gast Wine Co., 20 S Broadway, St. Louis, Mo.
Kohler & Frohling, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Lenk Wine Co., Toledo, O.
Napa Valley Wine Co., 11 1st St., San Francisco, Cal.
New Urbana Wine Co., Urbana, N. Y.
Sierra Madre Vintage Co., Lamanda Park, Cal.

F. DRY WINES.
I. De Turk, Santa Rosa, Cal.
Edge Hill Vineyard Co., St. Helena, Cal.
C. W. Garrett & Co., Medoc, N. C.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
Harris, Kingston & Co., San Francisco, Cal.
Kohler & Frohling, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Napa Valley Wine Co., 11 1st St., San Francisco, Cal.
A. Schmidt, Jr. Wine Co., Sandusky, O.
Chas. Stern & Sons, Los Angeles, Cal.

G. HOCK.
Beringer Bros., St. Helena, Cal.
I. De Turk, Santa Rosa, Cal.
Kohler & Frohling, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Napa Valley Wine Co., San Francisco, Cal.
Chas. Stern & Sons, Los Angeles, Cal.
Sierra Madre Vintage Co., Lamanda Park, Cal.

H. ORANGE WINE.
Florida Wine Co., Clay Springs, Fla.

I. PORT.
Beringer Bros., St. Helena, Cal.
I. De Turk, Santa Rosa, Cal.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
H. T. & J. D. Henderson, Himrod's, N. Y.
Kohler & Frohler, San Francisco, Cal.
Lay, Clarke & Co., Santa Rosa, Cal.
Lenk Wine Co., Toledo, O.
Napa Valley Wine Co., 11 1st St., San Francisco, Cal.
New Urbana Wine Co., Urbana, N. Y.
Pleasant Valley Wine Co., Rheims, N. Y.

J. SHERRY.

Sierra Madre Vintage Co., Lamanda Park, Cal.
Chas. Stern & Sons, Los Angeles, Cal.
Beringer Bros., St. Helena, Cal.
I. De Turk, Santa Rosa, Cal.
Gast Wine Co., 208 S. Broadway, St. Louis, Mo.
H. T. & J. D. Henderson, Himrod's, N. Y.
Lay, Clarke & Co., Santa Rosa, Cal.
Napa Valley Wine Co., 11 1st St., San Francisco, Cal.
New Urbana Wine Co., Urbana, N. Y.
Sierra Madre Vintage Co., Lamanda Park, Cal
Chas. Stern & Sons, Los Angeles, Cal.

XXV. MACHINERY AND TOOLS.

AGRICULTURAL.

969. BINDERS.

Adriance, Platt & Co., Poughkeepsie, N. Y.
Aultman, Miller & Co., Akron, O.
Benicia Agricultural Works, Benicia, Cal.
Hoover & Gamble, Miamisburg, O.
McCormick Har. Mach. Co., S. Western Av., Chicago, Ill.
Minneapolis Harvester Works, Minneapolis, Minn.
D. S. Morgan & Co., Brockport, N. Y.
Peerless Reaper Co., Canton, O.
Sandwich Mfg. Co., Sandwich, Ill.
J. F. Seiberling & Co., Akron, O.
Warder, Bushnell & Glessner, Springfield, O.
Walter A. Wood Mow. & Reap. Mach. Co., Hoosick Falls, N.Y.

A. BINDER COVERS.

E. C. Coop & Bro., 40 Dearborn St., Chicago, Ill.
J. A. McAuley & Peters, Columbus, O.
D. S. Morgan & Co., Brockport, N. Y.
Plano Mfg. Co., Plano, Ill.

B. BINDER TRUCKS.

Marseilles Mfg. Co., Marseilles, Ill.
Ewald Over, Indianapolis, Ind.
Plano Mfg. Co., Plano, Ill.
Walter A. Wood Mow. & Reap. Mach. Co., Hoosick Falls, N. Y.

C. STEEL FRAME BINDERS.

Wm. Deering & Co., 18 Fullerton Av., Chicago, Ill.
Johnston Harvester Co., Batavia, N. Y.
D. S. Morgan & Co., Brockport, N. Y.
Walter A. Wood Mow. & Reap. Mach. Co., Hoosick Falls, N. Y.

D. TWINE BINDERS.

Wm. Deering & Co., 18 Fullerton Av., Chicago, Ill.
Esterly Harvesting Machine Co., Whitewater, Wis.
Milwaukee Harvester Co., Milwaukee, Wis.
Minneapolis Harvester Works, Minneapolis, Minn.
D. S. Morgan & Co., Brockport, N. Y.
Walter A. Wood Mow. & Reap. Mach. Co., Hoosick Falls, N. Y.

970. CHECK ROWERS.

Avery Planter Co., Peoria, Ill.
Geo. W. Brown & Co., Galesburg, Ill.
Challenge Corn Planter Co., Grand Haven, Mich.
Chambers-Bering-Quinlan Co., Decatur, Ill.
G. D. Colton & Co., Galesburg, Ill.
Deere & Mansur Co., Moline, Ill.
H. P. Deuscher Co., Hamilton, O.
Emerson, Talcott & Co., Rockford, Ill.
A. C. Evans Mfg. Co., Springfield, O.
Farmers' Friend Mfg. Co., Dayton, O.
Fuller & Johnson Mfg. Co., Madison, Wis.
Haworth & Sons, Decatur, Ill.
Hearst, Dunn & Co., Peoria, Ill.
Joliet Mfg. Co., Joliet, Ill.
Joliet Strowbridge Co., Joliet, Ill.
Keystone Mfg. Co., Sterling, Ill.
Jas. Selby & Co., Peoria, Ill.
Moline Plow Co., Moline, Ill.
Parlin & Orendorff Co. Canton, Ill.
Skandia Plow Co., Rockford, Ill.
F. B. Tait & Co., Decatur, Ill.

J. Thompson & Sons, Ltd., Beloit, Wis.
Western Mfg. Co., Lincoln, Neb.

A. FURROWERS & MARKERS. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
A. Blaker & Co., Newtown, Pa.
Hiram Deats, Jr., Pittstown, N. J.
W. Eddy & Sons, Greenwich, N. Y.

B. FURROWING SLEDS. Shangle Sering & Son, Hightstown, N. J.

971. CLOVER HULLERS.
C. Aultman & Co., Canton, O. *104-13
Birdsell Mfg. Co., South Bend, Ind.
Gaar Scott & Co., Richmond, Ind.
Groton Bridge & Mfg. Co., Groton, N. Y.
Hagerstown Steam Engine & Machine Co., Hagerstown, Md.
Minard Harder, Cobleskill, N. Y.
Newark Machine Co., Columbus, O.
Robinson & Co., Richmond, Ind.
Westinghouse Co., Schenectady, N. Y.

972. COCKLE SEPARATORS. Cockle Separator Mfg. Co., Milwaukee, Wis.
J. L. Owens & Co., Minneapolis, Minn.
Prinz & Rau Mfg. Co., Milwaukee, Wis.

973. CORN & COB CRUSHERS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
C. S. Bell & Co., Hillsboro, O.
Benicia Agricultural Works, Benicia, Cal.
Leonard D. Harrison, New Haven, Conn.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Paige Mfg. Co., Painesville, O. *130
Richmond City Mill Works, Richmond, Ind.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
A. W. Stevens & Son, Auburn, N. Y.
Sullivan Machine Co., Claremont, N. Y.
T. B. Wood & Sons, Chambersburg, Pa.

974. CORN & COB MILLS.

A. COB MILLS. Eureka Bark Mill Co., Lancaster, Pa.
A. B. Farquhar & Co., York, Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Stover Mfg. Co., Freeport, Ill.

B. CORN MILLS. Cheraw Iron Works, Cheraw, S. C.
H. Dudley Coleman & Co., New Orleans, La.
De Loach Mill Mfg. Co., Atlanta, Ga.
Leonard D. Harrison, New Haven, Conn.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
A. W. Stevens & Son, Auburn, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valk & Murdock Iron Works Co., Charleston, S. C.

975. CORN CUTTERS & CRUSHERS.
W. G. & W. Barnes, Freeport, Ill.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
S. A. Millard Mfg. Co., Clayville, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind. *208
Paige Mfg. Co., Painesville, O. *130
Richmond City Mill Works, Richmond, Ind.
Sandwich Enterprise Co., Sandwich, Ill.
Sandwich Mfg. Co., Sandwich, Ill.

976. CORN CUTTERS & SHOCKERS.
Joliet Strowbridge Co., Joliet, Ill.
Sandwich Enterprise Co., Sandwich, Ill.

977. CORN HUSKERS. J. G. Johnson, Carthage, Ill.
Keystone Mfg. Co., Sterling, Ill.

A. CORN HUSKERS & FODDER CUTTERS COMBINED. Keystone Mfg. Co., Sterling, Ill.

978. CORN PLANTERS. Ames Plow Co., Quincy Hall, Boston, Mass.
B. F. Avery & Sons, Louisville, Ky.
Avery Planter Co., Peoria, Ill.
Bluffton Mfg. Co., Bluffton, Ind.
Geo. W. Brown & Co., Galesburg, Ill.
Buffalo Scale Co., Buffalo, N. Y.

James Campbell, Harrison, O.
Cardwell Machine Co., Richmond, Va.
Carlisle Mfg. Co., Carlisle, Pa.
Chambers-Bering-Quinlan Co., Decatur, Ill.
G. D. Colton & Co., Galesburg, Ill.
Deere & Mansur Co., Moline, Ill.
H. P. Deuscher, Hamilton, O.
Eclipse Corn Planter Co., Enfield, N. H.
Emerson, Talcott & Co., Rockford, Ill.
A. C. Evans Mfg. Co., Springfield, O.
Farmers' Friend Mfg. Co., Dayton, O.
Farmers' Mfg. Supply Co., Indianapolis, Ind.
A. B. Farquhar & Co., York, Pa.
Fremont Cultivator Co., Bellevue, O.
Fuller & Johnson Mfg. Co., Madison, Wis.
Hagerstown Iron Works, Hagerstown, Md.
Harrisburg Car Mfg. Co. (Fdry& Machine Dept.), Harrisburg, Pa.
Haworth & Sons, Decatur, Ill.
Hearst, Dunn & Co., Peoria, Ill.
Hocking Valley Mfg. Co., Lancaster, O.
Keystone Mfg. Co., Sterling, Ill.
Moline Plow Co., Moline, Ill.
Rockford Plow Co., Rockford, Ill.
Jas. Selby & Co., Peoria, Ill.
Skandia Plow Co., Rockford, Ill.
Southern Agricultural Works, Atlanta, Ga.
Spangler Mfg. Co., York, Pa.
A. Speer & Sons, Pittsburgh, Pa.
F. B. Tait & Co., Decatur, Ill.
J. Thompson & Sons, Ltd., Beloit, Wis.
Western Mfg. Co., Lincoln, Neb.
Winchester & Partridge Mfg. Co., Whitewater, Wis.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
Wrenn, Whitehurst & Co., Norfolk, Va.

A. HAND CORN PLANTERS.

Collins Plow Co., Quincy, Ill.
Eagle Machine Co., Lancaster, O. *114
Walden Eddy & Sons, Greenwich, N. Y.
Emerson, Talcott & Co., Rockford, Ill.
Hughes & Smythe, Galena, O.
A. C. Kent & Co., Janesville, Wis.
J. D. King, Orleans, N. Y.
Vandergrift Mfg. Co., Jamestown, N. Y.
Wiard Plow Co., Batavia, N. Y.

979. CORN SHELLERS.

American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
W. G. & W. Barnes, Freeport, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
A. Blaker & Co., Newtown, Pa.
W. L. Boyer & Bro., 543 Diamond St., Philadelphia, Pa.
Brennan & Co., Louisville, Ky.
Geo. W. Brown & Co., Galesburg, Ill.
Carlisle Mfg. Co., Carlisle, Pa.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
R. D. Cole Mfg. Co., Newnan, Ga.
Eagle Machine Co., Lancaster, O. *114
Elgin Wind Power & Pump Co., Elgin, Ill.
A. B. Farquhar & Co., York, Pa.
Frost Mfg. Co., Galesburg, Ill.
Garry Iron & Steel Roofing Co., Cleveland, O. *44
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Gleason & Bailey Mfg. Co., Seneca Falls, N. Y.
Curtis Goddard, Alliance, O.
Goulds Mfg. Co., Seneca Falls, N. Y.
Gould & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Geo. S. Grier, Milford, Del.
Hagerstown Iron Works, Hagerstown, Md.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Hocking Valley Mfg. Co., Lancaster, O.
Joliet Mfg. Co., Joliet, Ill.
Keystone Mfg. Co., Sterling, Ill.
King & Hamilton Co., Ottawa, Ill.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Kratz Bros., Evansville, Ind.
Lehr Agricultural Co., Fremont, O.

R. M. McGrath & Son, Lafayette, Ind.
Marseilles Mfg. Co., Marseilles, Ill.
Nordyke & Marmon Co., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Ohio Rake Co., Dayton, O.
Paige Mfg. Co., Painesville, O. *130
E. H. Pease Mfg. Co., Racine, Wis.
Roberts, Thorp & Co., Three Rivers, Mich.
Rumsey & Co., Ltd., 107 Liberty St., New York.
L. M. Rumsey Mfg. Co., 806 N. 2d St., St. Louis, Mo.
Sandwich Mfg. Co., Sandwich, Ill.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Spangler Mfg. Co., York, Pa.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
A. W. Stevens & Son, Auburn, N. Y.
Stover Mfg. Co., Freeport, Ill.
Tiffin Agricultural Works, Tiffin, O.
Union Iron Works, Decatur, Ill.
United States Wind Engine & Pump Co., Batavia, Ill.
Western Mfg. Co., Lincoln, Neb.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Wrenn, Whitehurst & Co., Norfolk, Va.

A. CORN SHELLERS, POWER.
Brennan & Co., Louisville, Ky.
Eagle Machine Co., Lancaster, O. *114
Keystone Mfg. Co., Sterling, Ill.
King & Hamilton Co., Ottawa, Ill.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Marseilles Mfg. Co., Marseilles, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.
Paige Mfg. Co., Painesville, O. *130
Sandwich Mfg. Co., Sandwich, Ill.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
A. W. Stevens & Son, Auburn, N. Y.
United States Wind Engine & Pump Co., Batavia, Ill.

B. CORN SHELLERS & CLEANERS.
Barnard & Leas Mfg. Co.. Moline, Ill.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

C. CORN SHELLERS & SEPARATORS.
Brennan & Co., Louisville, Ky.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Rumsey & Co., Ltd., 107 Liberty St., New York.

980. COTTON PLANTERS.
B. F. Avery & Sons, Louisville, Ky.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Deere & Mansur Co., Moline, Ill.
Edgecombe Agricultural Works, Tarborough, N. C.
Emerson, Talcott & Co., Rockford, Ill.
A. C. Evans Mfg. Co., Springfield, O.
A. B. Farquhar & Co., York, Pa.
Rock Island Plow Co., Rock Island, Ill.
Sandwich Enterprise Co., Sandwich, Ill.
Southern Agricultural Works, Atlanta, Ga.
A. Speer & Sons, Pittsburgh, Pa.
Weir Plow Co., Monmouth, Ill.
Winchester & Partridge Mfg. Co., Whitewater, Wis.
Wrenn, Whitehurst & Co., Norfolk, Va.

981. CULTIVATORS.
S. Adams & Son, Rome, N. Y.
Akron Tool Co., Akron, O.
Albany Agricultural & Machine Works, Albany, N. Y.
Albion Mfg. Co., Albion, Mich.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
B. F. Avery & Sons, Louisville, Ky.
Avery Planter Co., Peoria, Ill.
W. G. & W. Barnes, Freeport, Ill.
E. S. & F. Bateman, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Belle City Mfg. Co., Racine, Wis.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Geo. W. Brown & Co., Galesburg, Ill.
Brown Mfg. Co., Zanesville, O.
Brown-Manly Plow Co., Malta, O.
Carlisle Mfg. Co., Carlisle, Pa.
Carver Mfg. Co., Carver, Minn.

J. I. Case Plow Works, Racine, Wis.
Castree-Mallery Co., Flint, Mich.
Collins Plow Co., Quincy, Ill.
F. & J. H. Culver, W. Oneonta, N. Y.
Darbee, Peek & Bro., E. Aurora, N. Y.
Deere & Co., Moline, Ill.
Deere & Mansur Co., Moline, Ill.
John Dodds, Dayton, O.
Dowagiac Mfg. Co., Dowagiac, Mich.
Eagle Mfg. Co., Davenport, Iowa.
W. Eddy & Sons, Greenwich, N. Y.
Edgecombe Agricultural Works, Tarborough, N. C.
Abram Elwood, Sycamore, Ill.
Emerson, Talcott & Co., Rockford, Ill.
Farmers' Friend Mfg. Co., Dayton, O.
A. B. Farquhar & Co., York, Pa.
Wm. P. Ford & Co., Concord, N. H.
Fremont Cultivator Co., Bellevue, O.
Fuller & Johnson Mfg. Co., Madison, Wis.
Funck & Hertzler, Burlington, Iowa.
Geneva Tool Co., Geneva, O.
Grand Detour Plow Co., Dixon, Ill.
Grand Rapids Mfg. Co., Grand Rapids Mich.
Hapgood Plow Co., Alton, Ill.
Herendeen Mfg. Co., Geneva, N. Y.
Timothy B. Hussey, N. Berwick, Me.
Kemp & Burpee Mfg. Co., Syracuse, N. Y.
King & Hamilton Co., Ottawa, Ill.
Lebanon Mfg. Co., Lebanon, Pa.
Lehr Agricultural Co., Fremont, O.
Long & Allstatter Co., Hamilton, O.
Marseilles Mfg. Co., Marseilles, Ill.
P. P. Mast & Co., Springfield, O.
Thos. Meikle & Co., Louisville, Ky.
Moline Plow Co., Moline, Ill.
Monroeton Mfg. Co., Monroeton, Pa.
Morrison Mfg. Co., Fort Madison, Iowa.
Norwegian Plow Co., Dubuque, Iowa.
Parlin & Orendorff Co., Canton, Ill.
J. S. & M. Peckham, Utica, N. Y.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Portland Foundry & Machine Works, Portland, Me.
Powell Bros. Mfg. Co., Waukegan, Ill.
D. C. & H. C. Reed & Co., Kalamazoo, Mich.
Reeves & Co., Columbus, Ind.
Roberts, Thorp & Co., Three Rivers, Mich.
Rock Island Plow Co., Rock Island, Ill.
Rockford Plow Co., Rockford, Ill.
Rude Bros. Mfg. Co., Liberty, Ind.
St. Joseph Mfg. Co., Mishawaka, Ind.
St. Joseph Plow Co., St., Joseph, Mo.
St. Paul Plow Works, St. Paul, Minn.
Peter Sames, Rockford, Ill.
San José Agricultural Works, San José, Cal.
Sheffield Agricultural & Machine Works, Sheffield, Ala.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Sohn Ridge Implement Co., Hamilton, O.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Agricultural Works, Atlanta, Ga.
A. Speer & Sons, Pittsburgh, Pa.
Spicer Mfg. Co., New Philadelphia, O.
Star Mfg. Co., Carpentersville, Ill.
Steel Pulley & Machine Works, Indianapolis, Ind.
Stringer, Dexter & Co., Munnsville, N. Y.
Superior Drill Co., Springfield, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Taylor & Henry, Kalamazoo, Mich.
J. Thompson & Sons, Ltd., Beloit, Wis.
Toledo Plow Co., Toledo, O.
Towers & Sullivan Mfg. Co., Rome, Ga.
Van Brunt & Davis Co., Horicon, Wis.
Van Brunt & Wilkins Mfg. Co., Horicon, Wis.
Walton Plow Co., Bloomington, Ill.
Warrior Mower Co., Little Falls, N. Y.
Weir Plow Co., Monmouth, Ill.

Wheel & Seeder Mfg. Co., La Crosse, Wis.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Jno. R. Whittemore, Chicopee Falls, Mass.
Winona Plow Co., Winona, Minn.
Wrenn, Whitehurst & Co., Norfolk, Va.

A. CELERY EARTHERS.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.

B. CORN CULTIVATORS.
Emerson, Talcott & Co., Rockford, Ill.
Farmers' Mfg. & Supply Co., Indianapolis, Ind.
Fuller & Johnson Mfg. Co., Madison, Wis.
Janesville Machine Co., Janesville, Wis.
Marseilles Mfg. Co., Marseilles, Ill.
H. L. Miller, Morris, Ill.
Sandwich Enterprise Co., Sandwich, Ill.
Sioux City Plow Co., Sioux City, Iowa.

C. COTTON CULTIVATORS.
Sandwich Enterprise Co., Sandwich, Ill.

D. HAND CULTIVATORS.
Ames Plow Co., Quincy Hall, Boston, Mass.
E. S. & F. Bateman, Grenloch, N. J.
Brinley, Miles & Hardy Co., Louisville, Ky.
Castree-Mallery Co., Flint, Mich.
Comstock Bros., E. Hartford, Conn.
Deere & Mansur Co., Moline, Ill.
Fremont Cultivator Co., Bellevue, O.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
P. P. Mast & Co., Springfield, O.
H. H. Palmer & Co., Rockford, Ill.
Parlin & Orendorff Co., Canton, Ill.

E. RIDING CULTIVATORS.
Akron Tool Co., Akron, O.
American Farm Implement Co., Raritan, N. J.
B. F. Avery & Sons, Louisville, Ky.
Curry Mfg. Co., Florence, Ala.
Fuller & Johnson Mfg. Co., Madison, Wis.
Hapgood Plow Co., Alton, Ill.
J. Thompson & Sons, Ltd., Beloit, Wis.
Weir Plow Co., Monmouth, Ill.

F. ROTARY DISK CULTIVATORS.
Janesville Machine Co., Janesville, Wis.
Johnston Harvester Co., Batavia, N. Y.

G. SPRING TOOTH CULTIVATORS.
Eureka Mower Co., Utica, N. Y.
Williams Mfg. Co., Kalamazoo, Mich.

H. TOBACCO HILLER.
Farmers' Friend Mfg. Co., Dayton, O.

982. CULTIVATORS, COMBINATION.

Akron Tool Co., Akron, O.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Southern Agricultural Works, Atlanta, Ga.

A. CULTIVATORS & HORSE HOES.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Castree-Mallery Co., Flint, Mich.
Southern Agricultural Works, Atlanta, Ga.

983. CULTIVATOR ATTACHMENTS.

S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Comstock Bros., E. Hartford, Conn.
King & Hamilton Co., Ottawa, Ill.
Sandwich Enterprise Co., Sandwich, Ill.
J. D. Tower & Bro., Mendota, Ill.

984. CULTIVATOR PARTS.

A. CULTIVATOR BEAMS.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Chicago Steel Works, 806 Noble St., Chicago, Ill.

B. CULTIVATOR SHOVELS.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Southern Agricultural Works, Atlanta, Ga.
Star Mfg. Co., Carpentersville, Ill.

C. CULTIVATOR TEETH.
E. S. & F. Bateman, Grenloch, N. J.
E. Bement & Sons, Lansing, Mich.
Chicago Steel Works, 806 Noble St., Chicago, Ill.
J. S. & M. Peckham, Utica, N. Y.

985. CUTTERS, FEED.

A. CHAFF CUTTERS.
Advance Mfg. Co., Hamilton, O.
Appleton Mfg. Co., Appleton, Wis.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Belle City Mfg. Co., Racine, Wis.
W. L. Boyer & Bro., 543 Diamond St., Philadelphia, Pa.
Brennan & Co., Louisville, Ky.
Castree-Mallery Co., Flint, Mich.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Joseph Dick, Canton, O.
Eagle Machine Co., Lancaster, O. *114
W. Eddy & Sons, Greenwich, N. Y.

J. B. Ehrsam Machine Co., Enterprise, Kan.
A. B. Farquhar & Co., York, Pa.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Goodell Co., Antrim, N. H.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
Hagerstown Iron Works, Hagerstown, Md.
W. R. Harrison & Co., Canton, O.
Hauck & Comstock, Mechanicsburg, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Hurlburt Mfg. Co., Racine Junction, Wis.
Hocking Valley Mfg. Co., Lancaster, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Keystone Mfg. Co., Sterling, Ill.
Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.
Lehr Agricultural Co., Fremont, O.
Long & Allstatter Co., Hamilton, O.
Monroeton Mfg. Co., Monroeton, Pa.
Morton Mfg. Co., Romeo, Mich.
Ewald Over, Indianapolis, Ind.
E. W. Ross & Co., Springfield, O.
Sandwich Mfg. Co., Sandwich, Ill.
Sergeant Mfg. Co., Greensborough, N. C.
Silver Mfg. Co., Salem, O. *205
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Smalley Mfg. Co., Manitowoc, Wis.
Spangler Mfg. Co., York, Pa.
Star Mfg. Co., Carpentersville, Ill.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.
Stevenson Bros. & Co., St. Cloud, Minn.
Stover Mfg. Co., Freeport, Ill.
Tiffin Agricultural Works, Tiffin, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Wayne Works, Richmond, Ind.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
Whitman Agricultural Co., 8th St., & Clark Av., St. Louis, Mo.
Jno. R. Whittemore, Chicopee Falls, Mass.
Williams Bros., Ithaca, N. Y.
Wrenn, Whitehurst & Co., Norfolk, Va.

B. ENSILAGE & FODDER CUTTERS.

Albany Agricultural & Machine Works, Albany, N. Y.
American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
F. C. Austin Mfg. Co., Carpenter St., Carroll Av., Chicago, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
W. L. Boyer & Bro., 543 Diamond St., Philadelphia, Pa.
Brennan & Co., Louisville, Ky.
Joseph Dick, Canton, O.
Eagle Machine Co., Lancaster, O. *114
Wm. P. Ford & Co., Concord, N. H.
S. Freeman & Sons Mfg. Co., Racine, Wis.
W. R. Harrison & Co., Canton, O.
Hauck & Comstock, Mechanicsburg, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Keystone Mfg. Co., Sterling, Ill.
Kohler, Hayssen & Stehn Mfg. Co , Sheboygan, Wis.
Long & Allstatter Co., Hamilton, O.
C. Pierpont & Co., New Haven, Conn.
E. W. Ross & Co., Springfield, O.
Sandwich Mfg. Co., Sandwich, Ill.
Silver Mfg. Co., Salem, O. *205
Spangler Mfg. Co., York, Pa.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.
Stover Mfg. Co., Freeport, Ill.
Tiffin Agricultural Works, Tiffin, O.
Wayne Works, Richmond, Ind.
Wheel & Seeder Mfg. Co., Fond du Lac, Wis.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Jno. R. Whittemore, Chicopee Falls, Mass.
Williams Bros., Ithaca, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.

C. HAY & STRAW CUTTERS.

American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.

F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
W. L. Boyer & Bro., 543 Diamond St., Philadelphia, Pa.
Brennan & Co., Louisville, Ky.
Joseph Dick, Canton, O.
A. B. Farquhar & Co., York, Pa.
S. Freeman & Sons Mfg. Co., Racine, Wis.
W. R. Harrison & Co., Canton, O.
Hauck & Comstock, Mechanicsburg, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Keystone Mfg. Co., Sterling, Ill.
Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.
C. Pierpont & Co., New Haven, Conn.
E. W. Ross & Co., Springfield, O.
Sandwich Mfg. Co., Sandwich, Ill.
Silver Mfg. Co., Salem, O. *205
Spangler Mfg. Co., York, Pa.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.
Stover Mfg. Co., Freeport, Ill.
Tiffin Agricultural Works, Tiffin, O.
United States Wind Engine & Pump Co., Batavia, Ill.
Wayne Works, Richmond, Ind.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Williams Bros., Ithaca, N. Y.

D. LEVER FEED CUTTERS.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Castree-Mallery Co., Flint, Mich.
Salem Iron Works, Salem, N. C.

986. CUTTERS, VEGETABLE AND ROOT.
Albany Agricultural & Machine Works, Albany, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
A. Blaker & Co., Newtown, Pa.
W. Eddy & Sons, Greenwich, N. Y.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
E. W. Ross & Co., Springfield, O.
Jno. R. Whittemore, Chicopee Falls, Mass.
United States Wind Engine & Pump Co., Batavia, Ill.

987. DRAGS.
B. F. Avery & Sons, Louisville, Ky.
Brennan & Co., Louisville, Ky.
Chattanooga Plow Co., Chattanooga, Tenn.
A. B. Farquhar & Co., York, Pa.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Weir Plow Co., Monmouth, Ill.

988. DRY FRUIT CLEANING MACHINES.
J. W. Ruger & Co., Buffalo, N. Y.

989. ENSILAGE MACHINERY.
Link Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Smalley Mfg. Co., Manitowoc, Wis.
United States Wind Engine & Pump Co., Batavia, Ill.

A. ENSILAGE CARRIERS.
W. R. Harrison & Co., Canton, O.
Smalley Mfg. Co., Manitowoc, Wis.
United States Wind Engine & Pump Co., Batavia, Ill.

990. EVAPORATORS.
American Mfg. Co., Waynesboro', Pa.
C. S. Bell & Co., Hillsboro', O.
Boomer & Boschert Press Co., 235 Greenwich St., New York.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
John Turl & Sons, 534 W. 28th St., New York.

A. CIDER EVAPORATORS.
G. H. Grimm Mfg. Co., Hudson, O.
Vermont Farm Machine Co., Bellows Falls, Vt.

B. FRUIT EVAPORATORS.
American Mfg. Co., Waynesboro', Pa.
Birdsall Co., Auburn, N. Y.
Geo. S. Grier, Milford, Del.
G. H. Grimm Mfg. Co., Hudson, O.
Steam Heat Evaporator Co., Charlotte, Mich.
Vermont Farm Machine Co., Bellows Falls, Vt.

C JELLY EVAPORATORS.
G. H. Grimm Mfg. Co., Hudson, O.

991. FANNING MILLS.
Albany Agricultural & Machine Works, Albany, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
L. S. & A. J. Blake, Racine, Wis.
Brennan & Co., Louisville, Ky.
Buffalo Scale Co., Buffalo, N. Y.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.

Dakota Mfg. Co., Scotland, Dak.
Joseph K. Edgerton, Ft. Wayne, Ind.
A. B. Farquhar & Co., York, Pa.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Gould & Caldwell, 22 N. Canal St., Chicago, Ill.
Grant Fan Mill & Cradle Co., Melrose, N. Y.
John Hosford, Monroeville, O.
Johnson & Field Co., Racine, Wis.
Keller Mfg. Co., Sauk Centre, Minn.
E. F. Michael Co., La Porte, Ind.
J. L. Owens & Co., Minneapolis, Minn.
E. H. Pease Mfg. Co., Racine, Wis.
J. S. Rowell Mfg. Co., Beaver Dam, Wis.
Stevenson Bros. & Co., St. Cloud, Minn.

A. BEAN CLEANERS & GRADERS.
Johnson & Field Co., Racine, Wis.

992. FEED MILLS.

Appleton Mfg. Co., Appleton, Wis.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Benicia Agricultural Works, Benicia, Cal.
Samuel Carey, 17 Broadway, New York. *255
Case Mfg. Co., Columbus, O.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Enterprise Mfg. Co., Columbiana, O.
Foos Mfg. Co., Springfield, O.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
J. H. McLain Machine Co., Canton, O. *115
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Ewald Over, Indianapolis, Ind.
L. M. Rumsey Mfg. Co., 806 N. 2d St., St. Louis, Mo.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
A. W. Stevens & Son, Auburn, N. Y.
Stover Mfg. Co., Freeport, Ill.
Straub Machinery Co., Front & John Sts., Cincinnati, O.
United States Wind Engine & Pump Co., Batavia, Ill.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

A. FEED MILLS & HORSE POWERS COMBINED.
J. H. McLain Machine Co., Canton, O. *115
Stover Mfg. Co., Freeport, Ill.

B. PORTABLE FEED MILLS.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

993. FERTILIZER ATTACHMENTS.

Ames Plow Co., Quincy Hall, Boston, Mass.
Cardwell Machine Co., Richmond, Va.
Carlisle Mfg. Co., Carlisle, Pa.

994. FERTILIZER DISTRIBUTORS.

B. F. Avery & Sons, Louisville, Ky.
Empire Drill Co., Shortsville, N. Y.
Longview Kelly Plow Mfg. Co., Longview, Tex.
Patten, Stafford & Myer, Canastota, N. Y.
Sohn Ridge Implement Co., Hamilton, O.
Spangler Mfg. Co., York, Pa.
William Bros., Ithaca, N. Y.

A. FERTILIZER DRILLS.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
E. S. & F. Bateman, Grenloch, N. J.
Bickford & Huffman, Macedon, N. Y.
Brennan & Co., Louisville, Ky.
Carlisle Mfg. Co., Carlisle, Pa.
Crown Mfg. Co., Phelps, N. Y.
Empire Drill Co., Shortsville, N. Y.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Rude Bros. Mfg. Co., Liberty, Ind.

B. LIME SPREADERS.
Foster & Williams, Racine, Wis.
Spangler Mfg. Co., York, Pa.

C. MANURE SPREADERS.
Kemp & Burpee Mfg. Co., Syracuse, N. Y.
Richardson Mfg. Co., Worcester, Mass.
Benj. F. Rollins, St. Johnsbury, Vt.

D. PLASTER SOWERS.
C. W. Bradley & Co., E. Bloomfield, N. Y.
Empire Drill Co., Shortsville, N. Y.
J. B. King & Co., New Brighton, S. I., N. Y.
Jacob Strayer & Co., South Bend, Ind.
Williams Bros., Ithaca, N. Y.

995. FODDER TYERS.
W. C. Downey & Co., Springfield, O.

996. FORKS, FARM.

A. BARLEY FORKS.
Brown, Hinman & Huntington Co., Columbus, O.

Grant Fan Mill & Cradle Co., Melrose, N. Y.
Iowa Farming Tool Co., Fort Madison, Iowa.
Kerr Bros. & Co., Hicksville, O.
Richard W. Montrose, Galien, Mich.
E. Plimpton & Sons, Litchfield, Me.
Stafford & Holden Mfg. Co., Barre, Vt.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

B. GRAIN FORKS.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Myers & Ervien, 12 N. 5th St., Philadelphia, Pa.
Richard W. Montross, Galien, Mich.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

C. HAY FORKS.
Ashtabula Tool Co., Ashtabula, O.
Auburn Mfg. Co., Auburn, N. Y.
Brown, Hinman & Huntington, Columbus, O.
Chieftain Co., Canton, O.
Derby & Ball, Bellows Falls, Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Byron Jackson, San Francisco, Cal
Janesville Hay Tool Co., Janesville, Wis.
Myers & Ervien, 12 N. 5th St., Philadelphia, Pa.
Nashville Spoke & Handle Co., Nashville, Tenn.
Peck, Clark & Co., Brookfield, Vt.
Sheble & Klemm, Frankford, Philadelphia, Pa.
Stafford & Holden Mfg. Co., Barre, Vt.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.
United States Wind Engine & Pump Co., Batavia, Ill.

D. MANURE FORKS.
Auburn Mfg. Co., Auburn, N. Y.
Derby & Ball, Bellows Falls, Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Ft. Madison, Iowa.
E. Plimpton & Sons, Litchfield, Me.
Stafford & Holden Mfg. Co., Barre, Vt.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

E. POTATO FORKS.
Auburn Mfg. Co., Auburn, N. Y.
Geneva Tool Co., Geneva, O.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

F. SHAVINGS FORKS.
Kerr Bros. & Co., Hicksville, O.

G. SPADING FORKS.
Ashtabula Tool Co., Ashtabula, O.
Brown, Hinman & Huntington, Columbus, O.
Derby & Ball, Bellows Falls, Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Ft. Madison, Iowa.
Stafford & Holden Mfg. Co., Barre, Vt.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

H. STRAWBERRY FORKS.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.

I. WOODEN FORKS.
Iowa Farming Tool Co., Ft. Madison, Iowa.
Richard W. Montross, Galien, Mich.

997. FRUIT PICKERS.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.

998. GRAIN CRADLES.
Auburn Mfg. Co., Auburn, N. Y.
Brown, Hinman & Huntington Co., Columbus, O.
Carter & Co., Scranton, Pa.
Derby & Ball, Bellows Falls, Vt.
Thos. C. Fisher, Anderson, Ind.
Grant Fan Mill & Cradle Co., Melrose, N. Y.
Iowa Farming Tool Co., Ft. Madison, Iowa.
Seymour Mfg. Co., Seymour, Ind.

A. CRADLE FINGERS.
Briggs Mfg. Co., Edgerton, O.
Richard W. Montross, Galien, Mich.
W. D. Spears, Conewanga, N. Y.

999. GRAIN CLEANERS & BINDERS.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

1000. GRINDERS, FEED.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Duplex Wind Mill Co., Brooklyn, Wis.
Enterprise Mfg. Co., Columbiana, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Marseilles Mfg. Co., Marseilles, Ill.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg Co., Buffalo, N. Y.
Sandwich Enterprise Co., Sandwich, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.

A. HUSK GRINDERS.

L. M. Rumsey Mfg. Co., 806 N. 2d St., St. Louis, Mo.

1001. GRINDERS, MOWER KNIFE & SICKLE.

Cleveland Stone Co., Cleveland, O.
J. B. Ehrsam Machine Co., Enterprise, Kan.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Williams Bros. Mfg. Co., Naubuc, Conn.

1002. HARROWS.

S. Adams & Son, Rome, N. Y.
American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
B. F. Avery & Sons, Louisville, Ky.
E. S. & F. Bateman, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Belle City Mfg. Co., Racine, Wis.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
A. Blaker & Co., Newtown, Pa.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Brennan & Co., Louisville, Ky.
George W. Brown & Co., Galesburg, Ill.
Bucher & Gibbs Plow Co., Canton, O.
J. I. Case Plow Works., Racine, Wis.
Castree-Mallery Co., Flint, Mich.
R. K. Chatham & Co., Bryan, Tex.
Chattanooga Plow Co., Chattanooga, Tenn.
Chicago Flexible Harrow Co., 35 Indiana St., Chicago, Ill.
Deere & Co., Moline, Ill.
Deere & Mansur Co., Moline, Ill.
Dowagiac Mfg. Co., Dowagiac, Mich.
W. C. Downey & Co., Springfield, O.
Eagle Mfg. Co., Davenport, Iowa.
Joseph K. Edgerton, Ft. Wayne, Ind.
Abram Ellwood, Sycamore, Ill.
A. C. Evans Mfg. Co., Springfield, O.
A. B. Farquhar & Co., York, Pa.
Wm. P. Ford & Co., Concord, N. H.
Fuller & Johnson Mfg. Co., Madison, Wis.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Grand Detour Plow Co., Dixon, Ill.
Herendeen Mfg. Co., Geneva, N. Y.
Byron Jackson, San Francisco, Cal.
Janesville Machine Co., Janesville, Wis.
Keller Mfg. Co., Sauk Centre, Minn.
Lang & Bro., Farmington, Mo.
Lawrence & Chapin Co., Kalamazoo, Mich.
McSherry Mfg. Co., Dayton, O.
P. P. Mast & Co., Springfield, O.
Matteson & Williamson Mfg. Co., Stockton, Cal.
Mitts & Merrill, E. Saginaw, Mich.
Moline Plow Co., Moline, Ill.
D. S. Morgan & Co., Brockport, N. Y.
Morrison Mfg. Co., Ft. Madison, Iowa.
Norwegian Plow Co., Dubuque, Iowa.
Ohio Rake Co., Dayton, O.
G. B. Olin & Co., Canandaigua, N. Y.
Ewald Over, Indianapolis, Ind.
Parlin & Orendorff Co., Canton, Ill.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Pitts Agricultural Works, Buffalo, N. Y.
D. C. & H. C. Reed & Co., Kalamazoo, Mich.
Rockford Plow Co., Rockford, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rogers Fence Co., Springfield, O.
Herman Rohns, Detroit, Mich.
St. Joseph Plow Co., St. Joseph, Mo.
St. Lawrence Mfg. Co., Gouverneur, N. Y.
St. Paul Plow Works, St. Paul, Minn.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Sioux City Plow Works, Sioux City, Iowa.
A. Speer & Sons, Pittsburgh, Pa.
Spicer Mfg. Co., New Philadelphia, O.
A. B. Spies, Sterling, Ill.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.

Stoddard Mfg. Co., Dayton, O.
Taylor & Henry, Kalamazoo, Mich.
J. Thompson & Sons, Ltd., Beloit, Wis.
Towers & Sullivan Mfg. Co., Rome, Ga.
Truman, Hooker & Co., San Francisco, Cal
Walton Plow Co., Bloomington, Ill.
Warrior Mower Co., Little Falls, N. Y.
Weir Plow Co., Monmouth, Ill.
Western Mfg. Co., Lincoln, Neb.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
John R. Whittemore, Chicopee Falls, Mass.
Wrenn, Whitehurst & Co., Norfolk, Va.

A. DISK HARROWS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Chattanooga Agricultural Works, Chattanooga, Tenn.
Daley Mfg. Co., De Kalb, Ill.
Deere & Mansur Co., Moline, Ill.
Keystone Mfg. Co., Sterling, Ill.
Matteson & Williamson Mfg. Co., Stockton, Cal.
St. Paul Plow Works, St. Paul, Minn.
Tiffin Agricultural Works, Tiffin, O.
Wheel & Seeder Mfg. Co., Fond du Lac, Wis.

B. PULVERIZERS.
H. P. Deuscher Co., Hamilton, O.
D. S. Morgan & Co.. Brockport, N. Y.
Southwark F'dry & Machine Co., Wash. Av., S. 5th St., Phila., Pa.

C. PULVERIZERS, ROTARY DISK.
Janesville Machine Co., Janesville, Wis.
Johnston Harvester Co., Batavia, N. Y.

D. RIDING HARROWS.
Gale Sulky Harrow Mfg. Co., Detroit, Mich.
D. S. Morgan, Brockport, N. Y.
John R. Whittemore, Chicopee Falls, Mass.

E. RUDDER HARROWS.
A. W. Stevens & Son, Auburn, N. Y.

F. SCOTCH HARROWS.
B. F. Avery & Sons, Louisville, Ky.
Castree-Mallery Co., Flint, Mich.
Hurlbut Mfg. Co., Racine Junction, Wis.

G. SPRING TOOTH HARROWS.
B. F. Avery & Sons, Louisville, Ky.
E. Bement & Sons, Lansing, Mich.
Chattanooga Agricultural Works, Chattanooga, Tenn.
Farmers' Friend Mfg. Co., Dayton, O.
Farmers' Mfg. & Supply Co., Indianapolis, Ind.
Pitts Agricultural Works, Buffalo, N. Y.
A. W. Stevens & Son, Auburn, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Taylor & Henry, Kalamazoo, Mich.
John R. Whittemore, Chicopee Falls, Mass.

H. STEEL HARROWS.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Hapgood Plow Co., Alton, Ill.
D. S. Morgan & Co., Brockport, N. Y.
Pitts Agricultural Works, Buffalo, N. Y.
Weir Plow Co., Monmouth, Ill.

I. STEEL COLTER HARROWS.
Timothy B. Hussey, N. Berwick, Me.

J. STEEL LEVER HARROWS.
Daley Mfg. Co., De Kalb, Ill.
Janesville Machine Co., Janesville, Wis.
R. Lean & Son, Mansfield, O.
Norwegian Plow Co., Dubuque, Iowa.

K. VIBRATING HARROWS.
D. S. Morgan & Co., Brockport, N. Y.
Sioux City Plow Co., Sioux City, Iowa.

L. WOOD HARROWS.
Benicia Agricultural Works, Benicia, Cal.
Weir Plow Co., Monmouth, Ill.

1003. HARROW PARTS.

A. HARROW DISKS.
Cambria Iron Co., Johnstown, Pa.
Troy Steel & Iron Co., Troy, N. Y.

B. HARROW SPRINGS.
Harrow Spring Co., Kalamazoo, Mich.
Morgan Spring Co., Worcester, Mass.

C. HARROW TEETH.
Chicago Steel Works, 806 Noble St., Chicago, Ill.

1004. HARVESTING MACHINERY.

A. COMBINED HARVESTERS.
Benicia Agricultural Works, Benicia, Cal.
J. C. Hoult & Son, Stockton, Cal.
Matteson & Williamson Mfg. Co., Stockton, Cal.
Milwaukee Harvester Co., Milwaukee, Wis.
Stockton Combined Harvester & Agricult'l Works, Stockton, Cal.

Warder, Bushnell & Glessner Co., Springfield, O.
Walter A. Wood M. & R. Machine Co., Hoosick Falls, N. Y.

B. CORN HARVESTERS.
Joliet Strowbridge Co., Joliet, Ill.
Keystone Mfg. Co., Sterling, Ill.

C. GRAIN HARVESTERS.
Adriance, Platt & Co., Poughkeepsie, N. Y.
C. Aultman & Co., Canton, O. *104-13
Aultman & Taylor Co., Mansfield, O.
Bovee Harvesting Machine Co., Tama, Iowa.
Esterly Harvesting Machine Co., Whitewater, Wis.
H. H. Harvey, 116 High St., Boston, Mass.
Hoover & Gamble, Miamisburg, O.
McCormick Harv. Mach. Co., Blue Is. & S. Westn. Av., Chicago, Ill.
Matteson & Williamson Mfg. Co., Stockton, Cal.
D. S. Morgan & Co., Brockport, N. Y.
D. M. Osborne & Co., Auburn, N. Y.
Plano Mfg. Co., Plano, Ill.
J. F. Seiberling & Co., Akron, O.
Amos Whiteley & Co., Springfield, O.
Walter A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

D. TWINE BINDING HARVESTERS.
Adriance, Platt & Co., Poughkeepsie, N. Y.
C. Aultman & Co., Canton, O. *104-13
Aultman, Miller & Co., Akron, O.
Chattanooga Agricultural Works, Chattanooga, Tenn.
William Deering & Co., 18 Fullerton Av., Chicago, Ill.
Emerson, Talcott & Co., Rockford, Ill.
Esterly Harvesting Machine Co., Whitewater, Wis.
Hoover & Gamble, Miamisburg, O.
McCormick Harv. Mach. Co., Blue Is. & S. Westn. Av., Chicago, Ill.
Milwaukee Harvester Co., Milwaukee, Wis.
Minneapolis Harvester Works, Minneapolis, Minn.
D. S. Morgan & Co., Brockport, N. Y.
D. M. Osborne & Co., Auburn, N. Y.
Peerless Reaper Co., Canton, O.
Plano Mfg. Co., Plano, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
J. F. Seiberling & Co., Akron, O.
Seiberling, Miller & Co., Doylestown, O.
Warder, Bushnell & Glessner Co., Springfield, O.
Amos Whiteley & Co., Springfield, O.
William N. Whitely Co., Springfield, O.
Walter A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.
Wyckoff & Co., Perry, N. Y.

1005. HAY CARRIERS.
Appleton Mfg. Co., Appleton, Wis.
W. G. & W. Barnes, Freeport, Ill.
Chambers-Bering-Quinlan Co., Decatur, Ill.
Hunt, Helm & Ferris, Harvard, Ill.
Janesville Hay Tool Co., Janesville, Wis.
F. E. Myers & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
J. E. Porter, Ottawa, Ill.
Springfield Machine Co., Springfield, O.
Superior Drill Co., Springfield, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
T. R. & A. Mfg. Co., Kansas City, Mo.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.

A. HORSE HAY FORKS.
Appleton Mfg. Co., Appleton, Wis.
Belle City Mfg. Co., Racine, Wis.
Chambers-Bering-Quinlan Co., Decatur, Ill.
Chieftain Co., Canton, O.
Hunt, Helm & Ferris, Harvard, Ill.
Janesville Hay Tool Co., Janesville, Wis.
Ney Mfg. Co., Canton, O.
J. E. Porter, Ottawa, Ill.
Springfield Machine Co., Springfield, O.
Superior Drill Co., Springfield, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1006. HAY RAKES.

A. HAND HAY RAKES
Burton Handle Co., Burton, O.
Deere & Mansur Co., Moline, Ill.
Fuller & Johnson Mfg. Co., Madison, Wis.
J. C. Garfield & Son, Tyringham, Mass.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.

Byron Jackson, San Francisco, Cal.
S. A. Millard Mfg. Co., Clayville, N. Y.
Piqua Handle & Mfg. Co., Piqua, O. *212
E. A. Rogers, New Hartford, Conn.
Rugg Mfg. Co., Greenfield, Mass.

B. HORSE HAY RAKES.

Acme Hay Harvester Co., Peoria, Ill.
Albany Agricultural & Machine Works, Albany, N. Y.
American Farm Implement Co., Raritan, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Chattanooga Agricultural Works, Chattanooga, Tenn.
Deere & Mansur Co., Moline, Ill.
John Dodds, Dayton, O.
Emerson, Talcott & Co., Rockford, Ill.
Empire Drill Co., Shortsville, N. Y.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Farmers' Mfg. & Supply Co., Indianapolis, Ind.
A. B. Farquhar & Co., York, Pa.
Fuller & Johnson Mfg. Co., Madison, Wis.
Geneva Tool Co., Geneva, O.
Hagerstown Iron Works, Hagerstown, Md.
Hauck & Comstock, Mechanicsburg, Pa.
Hoosier Drill Co., Richmond, Ind.
Keystone Mfg. Co., Sterling, Ill.
P. P. Mast & Co., Springfield, O.
S. S. Messinger & Son, Tatamy, Pa.
Ohio Rake Co., Dayton, O.
Pitts Agricultural Works, Buffalo, N. Y.
Sohn Ridge Implement Co., Hamilton, O.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co., Springfield, O.
Tiffin Agricultural Works, Tiffin, O.
Truman, Hooker & Co., San Francisco, Cal.
Trumbull-Allen-Strean Seed Co., Kansas City, Mo.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
John R. Wittemore, Chicopee Falls, Mass.
Williams Bros., Ithaca, N. Y.
W. A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

C. REVOLVING HAY RAKES.

Burton Handle Co., Burton, O.
Hughes & Smythe, Galena, O.
Sterling Mfg. Co., Sterling, Ill.
Tiffin Agricultural Works, Tiffin, O.

D. SULKY HAY RAKES.

Albion Mfg. Co., Albion, Mich.
W. G. & W. Barnes, Freeport, Ill.
A. Blaker & Co., Newtown, Pa.
Bradley & Co., Syracuse, N. Y.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Geo. W. Brown & Co., Galesburg, Ill.
Chieftain Co., Canton, O.
John Dodds, Dayton, O.
Eagle Mfg. Co., Davenport, Ia.
Abram Ellwood, Sycamore, Ill.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Farmers' Mfg. & Supply Co., Indianapolis, Ind.
G. S. Foos Co., Springfield, O.
Fremont Cultivator Co., Bellevue, O.
Grand Detour Plow Co., Dixon, Ill.
Hocking Valley Mfg. Co., Lancaster, O.
Keystone Mfg. Co., Sterling, O.
Long & Allstatter Co., Hamilton, O.
Moline Plow Co., Moline, Ill.
Patten, Stafford & Myer, Canastota, N. Y.
Pitts Agricultural Works, Buffalo, N. Y.
J. S. Rowell Mfg. Co., Beaver Dam, Wis.
Rude Bros. Mfg. Co., Liberty, Ind.
Stoddard Mfg. Co., Dayton, O.
Sucker State Drill Co., Belleville, Ill.
Thomas Mfg. Co., Springfield, O.
Tiffin Agricultural Works, Tiffin, O.
Van Brunt & Wilkins Mfg. Co., Horicon, Wis.
Warrior Mower Co., Little Falls, N. Y.
Western Mfg. Co., Lincoln, Neb.
Williams Bros., Ithaca, N. Y.
W. A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N.Y.

1007. HAY TEDDERS.

Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.

Bover Harvesting Machine Co., Tama, Iowa.
Chieftain Co., Canton, O.
John Dodds, Dayton, O.
G. S. Foos Co., Springfield, O.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
Ohio Rake Co., Dayton, O.
Patten, Stafford & Meyer, Canastota, N. Y.
J. E. Porter, Ottawa, Ill.
Richardson Mfg. Co., Worcester, Mass.
Spicer Mfg. Co., New Philadelphia, O.
Sterling Mfg. Co., Sterling, Ill.
Stoddard Mfg. Co., Dayton, O.
Thomas Mfg. Co., Springfield, O.
Tiffin Agricultural Works, Tiffin, O.

1008. HAY TOOLS.

Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Janesville Hay Tool Co., Janesville, Wis.
F. E. Myers & Bro., Ashland, O.
J. E. Porter, Ottawa, Ill.
Springfield Machine Co., Springfield, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

A. HAY DERRICKS.

Eugene L. Church, Harvard, Ill.
J. E. Porter, Ottawa, Ill.
H. C. Shaw Plow Works, Stockton, Cal.
U. S. Wind Engine & Pump Co., Batavia, Ill.

B. HAY FORK PULLEYS.

Appleton Mfg. Co., Appleton, Wis.
Hurlburt Mfg. Co., Racine Junction, Wis.
Janesville Hay Tool Co., Janesville, Wis.
J. S. & M. Peckham, Utica, N. Y.
E. C. Stearns & Co., Syracuse, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.

C. HAY HOISTING SINGLE-TREES.

Louden Machinery Co., Fairfield, Iowa.

D. HAY HOOKS.

Humason & Beckley Mfg. Co., New Britain, Conn.
Janesville Hay Tool Co., Janesville, Wis.
E. C. Stearns & Co., Syracuse, N. Y.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

E. HAY LOADERS & UN-LOADERS.

Chambers-Bering-Quinlan Co., Decatur, Ill.
Crown Mfg. Co., Phelps, N. Y.
Daley Mfg. Co., De Kalb, Ill.
Keystone Mfg. Co., Sterling, Ill.
J. E. Porter, Ottawa, Ill.
Sterling Mfg. Co., Sterling, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.

F. HAY NETS.

Brockner-Evans Bale Tie Co., 819 N. 2d St., St. Louis, Mo.
H. C. Shaw Plow Works, Stockton, Cal.

G. HAY RICKERS.

Acme Hay Harvester Co., Peoria, Ill.

H. HAY SLINGS.

F. E. Myers & Bro., Ashland, O.
J. E. Porter, Ottawa, Ill.

I. HAY TOOL SUPPLIES.

Chambers-Bering-Quinlan Co., Decatur, Ill.
Eugene L. Church, Harvard, Ill.
Fowler & Farrington, Taughannock Falls, N. Y.
Iwan Bros., Streator, Ill.
Janesville Hay Tool Co., Janesville, Wis.
F. E. Myers & Bro., Ashland, O.
Ney Mfg. Co., Canton, O.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Springfield Machine Co., Springfield, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1009. HEDGE TRIMMING MACHINES.

Iwan Bros., Streator, Ill.
William L. Oakes, Decatur, Ill.

1010. HOES, HAND.

Auburn Mfg. Co., Auburn, N. Y.
E. S. & F. Bateman, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass
L. Bolles Hoe & Tool Co., Binghamton, N. Y.
Brown, Hinman & Huntington Co., Columbus, O.
Derby & Ball, Bellows Falls, Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Emery, Waterhouse & Co., N. Monmouth, Me.
Grass Killer Mfg. Co., Richmond, Va.
Smith Harper, 12 N. 5th St., Philadelphia, Pa.
Iowa Farming Tool Co., Fort Madison, Iowa.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
S. A. Millard Mfg. Co., Clayville, N. Y.
A. G. Peck & Co., Cohoes, N. Y.

	Planters' Hoe Co., Troy, N. Y.	
	E. Plimpton & Sons, Litchfield, Me.	
	D. & H. Scovil, Higganum, Conn.	*117
	Stafford & Holden Mfg. Co., Barre, Vt.	
	Taylor & Henry, Kalamazoo, Mich.	
	Winsted Edge Tool Works, W. Winsted, Conn.	
A. CORN HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Collins Co., Collinsville, Conn.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
B. COTTON HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Brown, Hinman & Huntington Co., Columbus, O.	
	Chattanooga Tool Co., Chattanooga, Tenn.	
	Geneva Tool Co., Geneva, O.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	D. & H. Scovil, Higganum, Conn.	*117
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
C DOUBLE EDGED HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Nichols Bros., Bernardston, Mass.	
	Terre Haute Shovel & Tool Co., Terra Haute, Ind.	
D. EYE HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Chattanooga Tool Co., Chattanooga, Tenn.	
	Collins & Co., Collinsville, Conn.	
	Lane & Gale, Troy, N. Y.	
	D. & H. Scovil, Higganum, Conn.	*117
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
E FIELD & GARDEN HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Brown, Hinman & Huntington Co., Columbus, O.	
	Chattahooga Tool Co., Chattanooga, Tenn.	
	Derby & Ball, Bellows Falls, Vt.	
	Geneva Tool Co., Geneva, O.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Iowa Farming Tool Co., Fort Madison, Iowa.	
	D. & H. Scovil, Higganum, Conn.	*117
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
F. GRUB HOES.	American Axe & Tool Co., Pittsburgh, Pa.	
	Auburn Mfg. Co., Auburn, N. Y.	
	Brown, Hinman & Huntington Co., Columbus, O.	
	Findlay Rolling Mill Co., Findlay, O.	
	C. Hammond & Son, Ogontz, Pa.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Fayette R. Plumb, Tucker & Trenton Av., Philadelphia, Pa.	
	Sandusky Tool Co., Sandusky, O.	*210
G. MATTOCK HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Iowa Farming Tool Co., Fort Madison, Iowa.	
H. NURSERYMANS' HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	E. Plimpton & Sons, Litchfield, Me.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
I. PLANTERS' HOES.	American Axe & Tool Co., Pittsburgh, Pa.	
	Auburn Mfg. Co., Auburn, N. Y.	
	Chattanooga Tool Co., Chattanooga, Tenn.	
	Collins Co., Collinsville, Conn.	
	Derby & Ball, Bellows Falls, Vt.	
	Geneva Tool Co., Geneva, O.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Iowa Farming Tool Co., Fort Madison, Iowa.	
	Sandusky Tool Co., Sandusky, O.	*210
	D. & H. Scovil, Higganum, Conn.	*117
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
J. RIVETED HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Chattanooga Tool Co., Chattanooga, Tenn.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
K. SCUFFLE HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Iowa Farming Tool Co., Fort Madison, Iowa.	
L. SOCKET & SHANK HOES.	Brown, Hinman & Huntington Co., Columbus, O.	
	Ely Hoe & Fork Co., St. Johnsbury, Vt.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
M. TOBACCO HOES.	Sandusky Tool Co., Sandusky, O.	*210
	D. & H. Scovil, Higganum, Conn.	*117
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
N. WHEEL HOES.	S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.	
	Ames Plow Co., Quincy Hall, Boston, Mass.	

C. O. Jelliff & Co., Southport, Conn.
L. A. Weyburn Co., Rockford, Ill.

O. WHEEL HOES, COMBINATION. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.

P. WHEEL HOE ATTACHMENTS. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.

1011. HOES, HORSE.

S. Adams & Son, Rome, N. Y.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill
A. B. Farquhar & Co., York, Pa.
William P. Ford & Co., Concord, N. H.
S. A. Millard Mfg. Co., Clayville, N. Y.
J. S. & M. Peckham, Utica, N. Y.

A. HORSE HOES & CULTIVATORS. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Timothy B. Hussey, N. Berwick, Me.

B. HORSE HOES & POTATO COVERERS. Timothy B. Hussey, N. Berwick, Me.

C. POTATO COVERERS. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Herendeen Mfg. Co., Geneva, N. Y.

D. RIDGERS. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.

E. TOBACCO HOEING MACHINES. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.

1012. HOG RINGERS.

J. H. Brown & Co., 20 W. Randolph St., Chicago, Ill.
Chambers-Bering-Quinlan Co., Decatur, Ill.
Warner Mfg. Co., Freeport, Ill.

1013. HOOKS, AGRICULTURAL.

A. BUSH HOOKS.

American Axe & Tool Co , 280 Broadway, New York.
Collins Co., Collinsville, Conn.
Iwan Bros., Streator, Ill.
H. Knickerbacker, Ballston Spa, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
D. Wadsworth & Son, Auburn, N. Y.

B. MANURE HOOKS.

Brown, Hinman & Huntington Co., Columbus, O.
Derby & Ball, Bellows Falls, Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Ft. Madison, Iowa.

C. POTATO HOOKS.

Auburn Mfg. Co., Auburn, N. Y.
E. S. & F. Bateman, Grenloch, N. J.
Brown, Hinman & Huntington Co., Columbus, O.
Carter & Co., Scranton, Pa.
Derby & Ball, Bellows Falls, Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Geneva Tool Co., Geneva, O.
Gibbs Mfg. Co., Canton, O.
Iowa Farming Tool Co., Ft. Madison, Iowa.
Stafford & Holden Mfg. Co., Barre, Vt.

1014. HORSE HOE ATTACHMENTS.

A. CELERY EARTHER ATTACHMENTS. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Timothy B. Hussey, N. Berwick, Me.

B. FURROWING ATTACHMENTS. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.

C. MARKING ATTACHMENTS. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.

1015. INCUBATORS.

Jas. L. Campbell, W. Elizabeth, Pa.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Petaluma Incubator Co., Petaluma, Cal.
George H. Stahl, Quincy, Ill.
E. Van Noorden & Co., 383 Harrison St., Boston, Mass.
A. F. Williams, Bristol, Conn. *118

A. BROODERS.

Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Petaluma Incubator Co., Petaluma, Cal.
George H. Stahl, Quincy, Ill.
A. F. Williams, Bristol, Conn. *118

1016. KNIVES, FARM.

A. CANE KNIVES.

Collins Co., Collinsville, Conn.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Krajewski & Pesant, 50 Elizabeth St., Brooklyn, N. Y.
Richardson Bros., Newark, N. J.
E. W. Ross & Co., Springfield, O.

B. CORN KNIVES.

American Saw Co., Trenton, N. J.

E. C. Atkins & Co., Indianapolis, Ind. *198
Auburn Mfg. Co., Auburn, N. Y.
A. F. Bannister & Co., Newark, N. J.
E. S. & F. Bateman, Grenloch, N. J.
Beardsley Scythe Co., W. Winsted, Conn.
Derby & Ball, Bellows Falls, Vt.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
H. Knickerbacker, Ballston Spa, N. Y.
Merrell & Soule, Syracuse, N. Y.
S. A. Millard Mfg. Co., Clayville, N. Y.
G. & M. Nolin, 6 S. Mill St., Skowhegan, Me.
David Wadsworth & Son, Auburn, N. Y.
Winsted Mfg. Co., Winsted, Conn.

C. HAY KNIVES.
American Axe & Tool Co., Pittsburgh, Pa.
Auburn Mfg. Co., Auburn, N. Y.
Beardsley Scythe Co., W. Winsted, Conn.
Hiram Holt Co., E. Wilton, Me.
Ney Mfg. Co., Canton, O.
G. & M. Nolin, 6 S. Mill St., Skowhegan, Me.
North Wayne Tool Co., North Wayne, Me.
David Wadsworth & Son, Auburn, N. Y.
Winsted Mfg. Co., Winsted, Conn.

D. MACHETES.
Collins Co., Collinsville, Conn.
Henry Disston & Sons, N. Front cor. Laurel Sts., Phila., Pa.

1017. KNIVES, FARM IMPLEMENT.
M. Buhler, Lamoille, Ill.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

1018. LAWN SWEEPERS.
Graham, Emlen & Passmore, 631 Market St., Philadelphia, Pa.

1019. MATTOCKS.
American Axe & Tool Co., Pittsburgh, Pa.
American Axle & Wheel Co., 143 Liberty St., New York.
Collins Co., Collinsville, Conn.
Cronk Hanger Co., Elmira, N. Y.
Findlay Rolling Mill Co., Findlay, O.
Geo. Griffiths Co., 513 Locust St., Philadelphia, Pa.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
A. G. Peck & Co., Cohoes, N. Y.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

1020. MOWERS.
Adriance, Platt & Co., Poughkeepsie, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Aultman, Miller & Co., Akron, O.
Benicia Agricultural Works, Benicia, Cal.
Bradley & Co., Syracuse, N. Y.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Central Mfg. Co , Lewisburg, Pa.
Chattanooga Agricultural Works, Chattanooga, Tenn.
Curtis Mfg. Co., Albion, N. Y.
William Deering & Co., 18 Fullerton Av., Chicago, Ill.
Abram Ellwood, Sycamore, Ill.
Emerson, Talcott & Co., Rockford, Ill.
Esterley Harvesting Machine Co., Whitewater, Wis.
A. B. Farquhar & Co., York, Pa.
Fuller & Johnson Mfg. Co., Madison, Wis.
Hitchcock Mfg. Co., Cortland, N. Y.
Hoover & Gamble, Miamisburg, O.
Janesville Machine Co., Janesville, Wis.
Judson Mfg. Co., Oakland, Cal.
McCormick Har. Mach. Co., 212 Market St., Chicago, Ill.
S. S. Messinger & Son, Tatamy, Pa.
Milwaukee Harvester Co., Milwaukee, Wis.
Minneapolis Harvester Works, Minneapolis, Minn.
D. S. Morgan & Co., Brockport, N. Y.
D. M. Osborne & Co., Auburn, N. Y.
Peerless Reaper Co., Canton, O.
Plano Mfg. Co., Plano, Ill.
Rawson & Thatcher, Corning, N. Y.
Richardson Mfg. Co., Worcester, Mass.
Sandwich Mfg. Co., Sandwich, Ill.
J. F. Seiberling & Co., Akron, O.
Sieberling, Miller & Co., Doylestown, O.
Stoddard Mfg. Co., Dayton, O.
Troy Mowing Machine Co., Troy, N. Y.
Warder, Bushnell & Glessner Co., Springfield, O.
Warrior Mower Co., Little Falls, N. Y.
Western Mfg. Co., Lincoln, Neb.
Amos Whiteley & Co., Springfield, O.
Winchester & Partridge Mfg. Co., Whitewater, Wis.

Walter A. Wood Mowing & Reap. Mach. Co., Hoosick Falls, N.Y.
Wyckoff & Co., Perry, N. Y.

A. LAWN MOWERS.

Advance Mfg. Co., Hamilton, O.
American Farm Implement Co., Raritan, N. J.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Blair Mfg. Co., Springfield, Mass.
John Braun & Sons, 161 N. 23d St., Philadelphia, Pa.
Chadborn & Coldwell Mfg. Co., Newburg, N. Y.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
Farmers' Friend Mfg. Co., Dayton, O.
G. S. Foos Co., Springfield, O.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Graham, Emlen & Passmore, 631 Market St., Philadelphia, Pa.
Henley Mach. Tool Works, Richmond, Ind.
Hills Archimedean Lawn Mower Co., Hartford, Conn.
Mast, Foos & Co., Springfield, O.
Rogers Fence Co., Springfield, O.
Superior Machine Co., Springfield, O.
Supplee Hardware Co., 503 Market St., Philadelphia, Pa.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

B. LAWN MOWERS, HORSE.

Chadborn & Coldwell Mfg. Co., Newburg, N. Y.
Graham, Emlen & Passmore, 631 Market St., Philadelphia, Pa.

1021. ONION PULLERS.

C. O. Jelliff & Co., Southport, Conn.

1022. PEANUT MACHINERY.

Cardwell Machine Co., Richmond, Va.

A. PEANUT PICKERS.

Hungerford Co., 67 Pearl St., New York.

1023. PLOWS.

A. BREAKING PLOWS.

American Axe & Tool Co., Pittsburgh, Pa.
American Farm Implement Co., Raritan, N. J.
American Road Machine Co., Kenneth Square, Pa.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Brown-Manley Plow Co., Malta, O.
Bucher & Gibbs Plow Co., Canton, O.
Carver Mfg. Co., Carver, Minn.
J. I. Case Plow Works, Racine, Wis.
Charles City Mfg. Co., Charles City, Iowa.
Collins Co., Collinsville, Conn.
Defiance Machine Works, Defiance, O.
Economist Plow Co., South Bend, Ind.
A. B. Farquhar & Co., York. Pa.
Fuller & Johnson Mfg. Co., Madison, Wis.
Hapgood Plow Co., Alton, Ill.
Lehr Agricultural Co., Fremont, O.
S. S. Messinger & Co., Tatamy, Pa.
Moline Plow Co., Moline, Ill.
Norwegian Plow Co., Dubuque, Iowa.
Parlin & Orendorff Co., Canton, Ill.
Parrott Mfg. Co., Dayton, O.
Rock Island Plow Co., Rock Island, Ill.
Roelker Plow Co., Evansville, Ind.
St. Joseph Mfg. Co., Mishawaka, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
St. Paul Plow Works, St. Paul, Minn.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Skandia Plow Co., Rockford, Ill.
Southern Agricultural Works, Atlanta, Ga.
South Bend Chilled Plow Co., South Bend, Ind.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
Star Mfg. Co., Carpentersville, Ill.
Stringer Dexter Co., Munnsville, N. Y.
J. Thompson & Sons, Ltd., Beloit, Wis.
Towers & Sullivan Mfg. Co., Rome, Ga.
Walton Plow Co., Bloomington, Ill.
Weir Plow Co., Monmouth, Ill.
Winona Plow Co., Winona, Minn.

B. CHILLED PLOWS.

B. F. Avery & Sons, Louisville. Ky.
E. Bement & Sons, Lansing, Mich.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Bristol Foundry & Machine Works, Bristol, Tenn.
Bucher & Gibbs Plow Co., Canton, O.
Chattanooga Plow Co., Chattanooga, Tenn.
Economist Plow Co., South Bend, Ind.
A. B. Farquhar & Co., York, Pa.
Gale Mfg. Co., Albion, Mich.
Roland Plow Works, Baltimore, Md.

Southern Agricultural Works, Atlanta, Ga.
South Bend Chilled Plow Co., South Bend, Ind.
Watkins Chilled Plow Co., Watkins, N. Y.
Weir Plow Co., Monmouth, Ill.
Wiard Plow Co., Batavia, N. Y.
Wrenn, Whitehurst & Co., Norfolk, Va.

C. CONTRACTORS' PLOWS. Contractors' Plant Mfg. Co., Buffalo, N. Y. *91

D. COTTON SWEEPS. B. F. Avery & Sons, Louisville, Ky.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Southern Agricultural Works, Atlanta, Ga.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.

E. DITCHING PLOWS. American Road Machine Co., Kenneth Square, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Grand Rapids Mfg. Co., Grand Rapids, Mich
Princess Plow Co., Canton, O.
St. Joseph Plow Co., St. Joseph, Mo.
Wilder Mfg. Co., Monroe, Mich.

F. GANG PLOWS. Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Bucher & Gibbs Plow Co., Canton, O.
J. I. Case Plow Works, Racine, Wis.
Collins Plow Co., Quincy, Ill.
Economist Plow Co., South Bend, Ind.
A. B. Farquhar & Co., York, Pa.
Fosmir Iron Works, Los Angeles, Cal
Geiser Mfg. Co., Waynesboro', Pa.
Hapgood Plow Co., Alton, Ill.
Matteson & Williamson Mfg. Co., Stockton, Cal.
Moline Plow Co., Moline, Ill.
Norwegian Plow Co., Dubuque, Iowa.
Parlin & Orendorff Co., Canton, Ill.
Pekin Plow Co., Pekin, Ill.
Pitts Agricultural Works, Buffalo, N. Y.
Rock Island Plow Co., Rock Island, Ill.
St. Paul Plow Works, St. Paul, Minn.
Skandia Plow Co., Rockford, Ill.
H. C. Shaw Plow Works, Stockton, Cal.
South Bend Iron Works, South Bend, Ind.
Stockton Combined Harvester & Agricult'l Works, Stockton, Cal.
J. Thompson & Sons, Ltd., Beloit, Wis.
Weir Plow Co., Monmouth, Ill.

G. GANG PLOWS, RIDING. David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Collins Co., Collinsville, Conn.
Economist Plow Co., South Bend, Ind.
Hapgood Plow Co., Alton, Ill.
Weir Plow Co., Monmouth, Ill.

H. GANG PLOWS, STEAM. Benicia Agricultural Works, Benicia, Cal.
A. B. Farquhar & Co., York, Pa.
Geiser Mfg. Co., Waynesboro', Pa.

I. GANG PLOWS, WHEEL. B. F. Avery & Sons, Louisville, Ky.
E. S. & F. Bateman, Grenloch, N. J.
Hapgood Plow Co., Alton, Ill.
Norwegian Plow Co., Dubuque, Iowa.
Rock Island Plow Co., Rock Island, Ill.
Southern Agricultural Works, Atlanta, Ga.

J. GARDEN PLOWS, HAND. S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
B. F. Avery & Sons, Louisville, Ky.
Brinly, Miles & Hardy Co., Louisville, Ky.
Deere & Mansur Co., Moline, Ill.
Fremont Cultivator Co., Bellevue, O.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
P. P. Mast & Co., Springfield, O.
H. H. Palmer & Co., Rockford, Ill.
Parlin & Orendorff Co., Canton, Ill.
Wiard Plow Co., Batavia, N. Y.

K. GRADING PLOWS. S. Adams & Son, Rome, N. Y.
American Road Machine Co., Kenneth Square, Pa.
American Steel Scraper Co., Sidney, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Brinly, Miles & Hardy Co., Louisville, Ky.
Collins Plow Co., Quincy, Ill.
F. & J. H. Culver, W. Oneonto, N. Y.
Grand Rapids Mfg. Co., Grand Rapids, Mich.

Kilbourne & Jacobs Mfg. Co., Columbus, O.
Morrison Mfg. Co., Ft. Madison, Iowa.
Norwegian Plow Co., Dubuque, Iowa.
Parlin & Orendorff Co., Canton, Ill.
Princess Plow Co., Canton, O.
Rock Island Plow Co., Rock Island, Ill.
St. Joseph Plow Co., St. Joseph, Mo.
St. Paul Plow Works, St. Paul, Minn.
A. Shunk Plow Co., Bucyrus, O.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
Syracuse Chilled Plow Works, Syracuse, N. Y.

L. HOP PLOWS.
S. Adams & Son, Rome, N. Y.
J. S. & M. Peckham, Utica, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.

M. LISTER PLOWS.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
George W. Brown & Co., Galesburg, Ill.
J. I. Case Plow Works, Racine, Wis.
Deere & Mansur Co., Moline, Ill.
Eagle Mfg. Co., Davenport, Iowa.
Hapgood Plow Co., Alton, Ill.
Moline Plow Co., Moline, Ill.
Norwegian Plow Co., Dubuque, Iowa.
Parlin & Orendorff Co., Canton, Ill.
Pekin Plow Co., Pekin, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Rockford Plow Co., Rockford, Ill.
Rock Island Plow Co., Rock Island, Ill.
St. Paul Plow Works, St. Paul, Minn.
St. Joseph Plow Co., St. Joseph, Mo.
Skandia Plow Co., Rockford, Ill.
J. Thompson & Sons, Ltd., Beloit, Wis.
Walton Plow Co., Bloomington, Ill.
Weir Plow Co., Monmouth, Ill.

N. SHOVEL PLOWS.
American Farm Implement Co., Raritan, N. J.
B. F. Avery & Sons, Louisville, Ky.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Brown Mfg. Co., Zanesville, O.
George W. Brown & Co., Galesburg, Ill.
Brown-Manley Plow Co., Malta, O.
Castree-Mallery Co., Flint, Mich.
W. Eddy & Sons, Greenwich, N. Y.
Fremont Cultivator Co., Bellevue, O.
Fuller & Johnson Mfg. Co., Madison, Wis.
Geneva Tool Co., Geneva, O.
Johnson & Smith, Austin, Minn.
Norwegian Plow Co., Dubuque, Iowa
J. S. & M. Peckham, Utica, N. Y.
Reeves & Co., Columbus, Ind.
Rockford Plow Co., Rockford, Ill.
Rock Island Plow Co., Rock Island, Ill.
Roelker Plow Co., Evansville, Ind.
St. Joseph Mfg. Co., Mishawaka, Ind.
St. Joseph Plow Co., St. Joseph, Mo.
St. Paul Plow Works, St. Paul, Minn.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Agricultural Works, Atlanta, Ga.
Southern Plow Co., Columbus, Ga.
Syracuse Chilled Plow Co., Syracuse, N. Y.
J. Thompson & Sons, Ltd., Beloit, Wis.

O. SHOVEL PLOWS, DOUBLE.
Castree-Mallery Co., Flint, Mich.
Southern Agricultural Works, Atlanta, Ga.

P. SHOVEL PLOWS, WING.
Castree-Mallery Co., Flint, Mich.

Q. SIDE HILL PLOWS.
S. Adams & Son, Rome, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Benicia Agricultural Works, Benicia, Cal.
Bristol Foundry & Machine Works, Bristol, Tenn.
Collins Co., Collinsville, Conn.
Clipper Chilled Plow Co., Elmira, N. Y.
Matteson & Williamson Mfg. Co., Stockton, Cal.
St. Albans Foundry, St. Albans, Vt.
South Bend Chilled Plow Co., South Bend, Ind.

	Syracuse Chilled Plow Co., Syracuse, N. Y.
	Wiard Plow Co., Batavia, N. Y.
R. SOD & STUBBLE PLOWS.	Benicia Agricultural Works, Benicia, Cal.
	David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
	Economist Plow Co., South Bend, Ind.
	Gale Mfg. Co., Albion, Mich.
	Norwegian Plow Co., Dubuque, Iowa.
	J. Thompson & Sons, Ltd., Beloit, Wis.
	Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
S. STEEL PLOWS.	B. F. Avery & Sons, Louisville, Ky.
	E. Bement & Sons, Lansing, Mich.
	David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
	Bucher & Gibbs Plow Co., Canton, O.
	Collins Co., Collinsville, Conn.
	Economist Plow Co., South Bend, Ind.
	A. B. Farquhar & Co., York, Pa.
	Timothy B. Hussey, N. Berwick, Me.
	Moline Plow Co., Moline, Ill.
	Parrott Mfg. Co., Dayton, O.
	Southern Agricultural Works, Atlanta, Ga.
	Alexander Speer & Sons, Pittsburgh, Pa.
	Weir Plow Co., Monmouth, Ill.
	Wiard Plow Co., Batavia, N. Y.
T. SUBSOIL PLOWS.	Ames Plow Co., Quincy Hall, Boston, Mass.
	B. F. Avery & Sons, Louisville, Ky.
	David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
	J. I. Case Plow Works, Racine, Wis.
	Chattanooga Agricultural Works, Chattanooga, Tenn.
	Fuller & Johnson Mfg. Co., Madison, Wis.
	Grand Detour Plow Co., Dixon, Ill.
	Moline Plow Co., Moline, Ill.
	Alexander Speer & Sons, Pittsburgh, Pa.
U. SULKY PLOWS.	B. F. Avery & Sons, Louisville, Ky.
	Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
	Benicia Agricultural Works, Benicia, Cal.
	Henry F. Blount, Evansville, Ind.
	David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
	Bucher & Gibbs Plow Co., Canton, O.
	J. I. Case Plow Works, Racine, Wis.
	Collins Plow Co., Quincy, Ill.
	Deere & Co., Moline, Ill.
	Economist Plow Co., South Bend, Ind.
	A. B. Farquhar & Co., York, Pa.
	Fuller & Johnson Mfg. Co., Madison, Wis.
	Gale Mfg. Co., Albion, Mich.
	Gesley Mfg. Co., Beloit, Wis.
	Grand Detour Plow Co., Dixon, Ill.
	Hapgood Plow Co., Alton, Ill.
	Thos. Meikle & Co., Louisville, Ky.
	Moline Plow Co., Moline, Ill.
	Norwegian Plow Co., Dubuque, Iowa.
	Parlin & Orendorff Co., Canton, Ill.
	Pekin Plow Co., Pekin, Ill.
	Peru Plow & Wheel Co., Peru, Ill.
	Rockford Plow Co., Rockford, Ill.
	Rock Island Plow Co., Rock Island, Ill.
	St. Joseph Mfg. Co., Mishawaka, Ind.
	St. Paul Plow Works, St. Paul, Minn.
	Skandia Plow Co., Rockford, Ill.
	South Bend Chilled Plow Co., South Bend, Ind.
	South Bend Iron Works, South Bend, Ind.
	Syracuse Chilled Plow Co., Syracuse, N. Y.
	J. Thompson & Sons, Ltd., Beloit, Wis.
	Walton Plow Co., Bloomington, Ill.
	Weir Plow Co., Monmouth, Ill.
	Wiard Plow Co., Batavia, N. Y.
	Winona Plow Co., Winona, Minn.
V. SULKY PLOWS, REVERSIBLE.	Ames Plow Co., Quincy Hall, Boston, Mass.
	Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
	Clipper Chilled Plow Co., Elmira, N. Y.
	Syracuse Chilled Plow Co., Syracuse, N. Y.
W. WALKING & RIDING PLOWS COMBINED.	Parlin & Orendorff Co., Canton, Ill.
	Pekin Plow Co., Pekin, Ill.
X. WHEEL PLOWS.	David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
	J. I. Case Plow Works, Racine, Wis.
	Deere & Co., Moline, Ill.

Hapgood Plow Co., Alton, Ill.
Moline Plow Co., Moline, Ill.
Norwegian Plow Co., Dubuque, Iowa.
Rock Island Plow Co., Rock Island, Ill.
Weir Plow Co., Monmouth, Ill.

1024. PLOW PARTS.

A. PLOW BEAMS.
Chicago Steel Works, 806 Noble St., Chicago, Ill.

B. PLOW CLEVISES.
B. F. Avery & Sons, Louisville, Ky.
Hapgood Plow Co., Alton, Ill.
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.
South Bend Chilled Plow Co., South Bend, Ind.
L. A. Weyburn Co., Rockford, Ill.

C. PLOW COLTERS.
B. F. Avery & Sons, Louisville, Ky.
Beaver Falls Steel Works, Beaver Falls, Pa.
Benicia Agricultural Works, Benicia, Cal.
Henry F. Blount, Evansville, Ind.
Canton Saw Co., Canton, O.
Collins Co., Collinsville, Conn.
Cyclone Works, De Witt, Iowa.
Abram Ellwood, Sycamore, Ill.
Princess Plow Co., Canton, O.
Roelker Plow Co., Evansville, Ind.
Southern Agricultural Works, Atlanta, Ga.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
L. A. Weyburn Co., Rockford, Ill.

D. PLOW COLTER CLAMPS.
B. F. Avery & Sons, Louisville, Ky.
C. R. Hartmann Mfg. Co., Vincennes, Ind.

E. PLOW COLTER HUBS.
Cyclone Mfg. Co., De Witt, Iowa.
C. R. Hartman Mfg. Co., Vincennes, Ind.

F. PLOW EQUALIZERS.
C. B. Herrick & Co., Racine, Wis.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
L. A. Weyburn Co., Rockford, Ill.

G. PLOW HANDLES.
G. V. Griffith & Son, Huntington, Ind.
J. S. Harrison, Addison, N. Y.
Holloway & Turner, Lebanon, Ind.
Southern Agricultural Works, Atlanta, Ga.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
W. C. Stiles, Warren, O.
Towers & Sullivan Mfg. Co., Rome, Ga.

H. PLOW LINKS.
Pratt & Letchworth, Buffalo, N. Y.

I. PLOW POINTS.
Bristol Foundry & Machine Works, Bristol, Tenn.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.

J. PLOW SHARES.
Cambria Iron Co., Johnstown. Pa.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.
Star Mfg. Co., Carpentersville, Ill.

K. PLOW SHOES.
Edward Howe & Son, Boxford, Mass.
Hunt & Holbrook, Hartford, Conn.
Pingree & Smith, Detroit, Mich.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.

L. PLOW STOPS & HOOKS.
Pratt & Letchworth, Buffalo, N. Y.

M. PLOW SULKIES.
L. Cahill & Co., Kalamazoo, Mich.
E. B. Daniels & Co., Havana, N. Y.

N. SULKY PLOW ATTACHMENTS.
B. F. Avery & Sons, Louisville, Ky.

1025. POST HOLE DIGGERS.
Chieftain Hay Rake Co., Canton, O.
Cin. Barb Wire Fence Co., Cincinnati, O.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Abner Doble Co., San Francisco, Cal.
Hocking Valley Mfg. Co., Lancaster, O.
Iwan Bros., Streator, Ill.
Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill

A. POST HOLE AUGERS.
Albany Agricultural & Machine Works, Albany, N. Y.
Hurlburt Mfg. Co., Racine Junction, Wis.
Iwan Bros., Streator, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill.

B. POST HOLE SPOONS.
Abner Doble Co., San Francisco, Cal.
St. Louis Shovel Co., Duncan Av. n. Vandeventer Av., St. Louis, Mo.

1026. POTATO BUG DESTROYERS.
S. Adler's Sons, 197 Pearl St., New York.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
C. W. Bradley & Co., E. Bloomfield, N. Y.

1027. POTATO DIGGERS.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.

Aspinwall Mfg. Co., Three Rivers, Mich.
B. F. Avery & Sons, Louisville, Ky.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Chieftain Hay Rake Co., Canton, O.
Hoover & Prout, Avery, O.
Planters' Hoe Co., Troy, N. Y.
Pruyn Mfg. Co., Hoosick Falls, N. Y.
Rawson & Thacher, Corning, N. Y.
Roberts, Thorp & Co., Three Rivers, Mich.
St. Paul Plow Works, St. Paul, Minn.
Alexander Speer & Sons, Duquesne Way, Pittsburgh, Pa.
Spangler Mfg. Co., York, Pa.
Star Mfg. Co., Carpentersville, Ill.
Sterling Mfg. Co., Sterling, Ill.

A. POTATO DIGGERS & PICKERS.
Pruyn Mfg. Co., Hoosick Falls, N. Y.

1028. POTATO PLANTERS.

Aspinwall Mfg. Co., Three Rivers, Mich.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Roberts, Thorp & Co., Three Rivers, Mich.

1029. PRUNING TOOLS.

A. HEDGE SHEARS.
W. J. Hughes, Clyde, O.
Putnam Cutlery Corporation, Putnam, Conn.
Smith, Seymour & Son, Oakville, Conn.

B. PRUNING HOOKS.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Putnam Cutlery Corporation, Putnam, Conn.
Smith, Seymour & Son, Oakville, Conn.

C. PRUNING KNIVES.
John T. Henry & Son, Hamden, Conn.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
C. S. Osborne & Co., Newark, N. J.
Tuck Mfg. Co., Brockton, Mass.

D. PRUNING SAWS.
American Saw Co., Trenton, N. J.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.

E. PRUNING SHEARS.
Acme Shear Co., Bridgeport, Conn.
E. S. & F. Bateman, Grenloch, N. J.
Clauss Shear Co., Fremont, O.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
J. T. Henry & Son, Hamden, Conn.
T. Hessenbruch & Co., 8 N. 5th St., Philadelphia, Pa.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Henry Seymour Cutlery Co., Holyoke, Mass. *32
J. Wise & Sons, Newark, N. J.

1030. RAKES.

Chattanooga Tool Co., Chattanooga, Tenn.
Fuller & Johnson Mfg. Co., Madison, Wis.
P. P. Mast & Co., Springfield, O.
Patten, Stafford & Myer, Canastota, N. Y.
Rugg Mfg. Co., Greenfield, Mass.
Smith Harper, 12 N. 5th St., Philadelphia, Pa.
W. A. Wood Mowing & Reaping M. Co., Hoosick Falls, N. Y.

A. DRAG RAKES.
G. S. Foos Co., Springfield, O.
Rugg Mfg. Co., Greenfield, Mass.
W. H. Stearns, Johnson, Vt.

B. GARDEN RAKES.
Auburn Mfg. Co., Auburn, N. Y.
Brown, Hinman & Huntington Co., Columbus, O.
Derby & Ball. Bellows Falls Vt.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
Geneva Tool Co., Geneva, O.
Smith Harper, 12 N. 5th St., Philadelphia, Pa.
Iowa Farming Tool Co., Fort Madison, Iowa.
Rugg Mfg. Co., Greenfield, Mass.
Stafford & Holden Mfg. Co., Barre, Vt.

C. STALK RAKES.
J. H. Yingling & Bro., Seven Mile, O.

D. STEEL RAKES.
Auburn Mfg. Co., Auburn, N. Y.
Smith Harper, 12 N. 5th St., Philadelphia, Pa.
Smith Bros. & Co., Pittsburgh, Pa.
Wheeling Hinge Co., Wheeling, W. Va.

E. WEEDER RAKES.
Auburn Mfg. Co., Auburn, N. Y.
Chattanooga Tool Co., Chattanooga, Tenn.

1031. REAPERS.

Adriance, Platt & Co., Poughkeepsie, N. Y.
Aultman, Miller & Co. Akron, O.
Benicia Agricultural Works, Benicia, Cal.
Bradley & Co., Syracuse, N. Y.
Chattanooga Agricultural Works, Chattanooga, Tenn.
Central Mfg. Co., Lewisburg, Pa.

Curtis Mfg. Co., Albion, N. Y.
William Deering & Co., 18 Fullerton Av., Chicago, Ill.
Emerson, Talcott & Co., Rockford, Ill.
Janesville Machine Co., Janesville, Wis.
McCormick Har. Mach. Co., 212 Market St., Chicago, Ill.
Milwaukee Harvester Co., Milwaukee, Wis.
Minneapolis Harvester Works, Minneapolis, Minn.
D. S. Morgan & Co., Brockport, N. Y.
D. M. Osborne & Co., Auburn, N. Y.
Peerless Reaper Co., Canton, O.
J. F. Seiberling & Co., Akron, O.
Sieberling, Miller & Co., Doylestown, O.
Warder, Bushnell & Glessner, Springfield, O.
W. A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.
Wyckoff & Co., Perry, N. Y.

A. HEADERS.
Benicia Agricultural Works, Benicia, Cal.
Sandusky Machine & Agricultural Works, Sandusky, O.
H. C. Shaw Plow Works, Stockton, Cal.

B. REAPERS & BINDERS, COMBINED.
Benicia Agricultural Works, Benicia, Cal.
Esterly Harvesting Machine Co., Whitewater, Wis.
Milwaukee Harvester Co., Milwaukee, Wis.
D. S. Morgan & Co., Brockport, N. Y.
W. A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

C. REAPERS & MOWERS, COMBINED.
Esterly Harvesting Machine Co., Whitewater, Wis.
Johnston Harvester Co., Batavia, N. Y.
D. M. Osborne & Co., Auburn, N. Y.
Peerless Reaper Co., Canton, O.
W. A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

D. REAPER & MOWER ATTACHMENTS.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.
W. A. Wood Mowing & Reaping Mach. Co., Hoosick Falls, N. Y.

E. REAPER ARBORS.
Cushman Chuck Co., Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.

1032. ROLLERS, AGRICULTURAL.

A. CLOD ROLLERS.
Albany Agricultural Machine Works, Albany, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Castree-Mallery Co., Flint City, Mich.
W. Eddy & Sons, Greenwich, N. Y.
A. B. Farquhar & Co., York, Pa.
Ewald Over, Indianapolis, Ind.
Patten, Stafford & Myer, Canastota, N. Y.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116

B. FIELD ROLLERS.
American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Brennan & Co., Louisville, Ky.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Miller & Fernwood, Richmond, Mich.
Robinson & Burr, Champaign, Ill.
Watkins Chilled Plow Co., Watkins, N. Y.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

C. GARDEN ROLLERS.
Albany Agricultural Machine Works, Albany, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Brennan & Co., Louisville, Ky.
A. B. Farquhar & Co., York, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
J. H. Van Dorn, Cleveland, O.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

D. LAND ROLLERS.
American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
A. Blaker & Co., Newtown, Pa.
David Bradley & Co., 61 N. Desplaines St., Chicago, Ill.
Brennan & Co., Louisville, Ky.
Carlisle Mfg. Co., Carlisle, Pa.
Castree-Mallery Co., Flint, Mich.
G. D. Colton & Co., Galesburg, Ill.
Curtis Mfg. Co., Albion, N. Y.
Darbee, Peek & Bro., E. Aurora, N. Y.
A. P. Dickey Mfg. Co., Racine, Wis.
W. Eddy & Sons, Greenwich, N. Y.
A. B. Farquhar & Co., York, Pa.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
George S. Grier, Milford, Del.
Hauck & Comstock, Mechanicsburg, Pa.
Heebner & Sons, Lansdale, Pa.

Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.
R. M. McGrath & Son, Lafayette, Ind.
S. S. Messinger & Son, Tatamy, Pa.
Patten, Stafford & Myer, Canastota, N. Y.
Pitts Agricultural Works, Buffalo, N. Y.
Rock Island Plow Co., Rock Island, Ill.
Stringer, Dexter & Co., Munnsville, N. Y.
Sutton Bros. & Bell, Indiana, Pa.
Van Brunt & Davis Co., Horicon, Wis.
Wheel & Seeder Mfg. Co., La Crosse, Wis.

E. LAWN ROLLERS.
Albany Agricultural & Machine Works, Albany, N. Y.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

F. ROLLERS, CONTRACTORS' GROOVED.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91

1033. SCYTHES.

American Axe & Tool Co., Pittsburgh, Pa.
Auburn Mfg. Co., Auburn, N. Y.
Beardsley Scythe Co., W. Winsted, Conn.
Carter & Co., Scranton, Pa.
Emerson & Stevens Mfg. Co., Oakland, Me.
Hiram Holt Co., E. Wilton, Me.
H. Knickerbacker, Ballston Spa, N. Y.
Mascoma Edge Tool Co., Lebanon, N. H.
S. A. Millard Mfg. Co., Clayville, N. Y.
G. M. Nolin, 6 S. Mill St., Skowhegan, Me.
North Wayne Tool Co., Hallowell, Me.
O. S. Rixford, E. Highgate, Vt.
David Wadsworth & Son, Auburn, N. Y.
Winsted Mfg. Co., Winsted, Conn.

A. BUSH SCYTHES.
American Axe & Tool Co., Pittsburgh, Pa.
Auburn Mfg. Co., Auburn, N. Y.
O. S. Rixford, E. Highgate, Vt.
D. Wadsworth & Son, Auburn, N. Y.

B. GRAIN SCYTHES.
American Axe & Tool Co., Pittsburgh, Pa.
Auburn Mfg. Co., Auburn, N. Y.

C. GRASS HOOKS.
American Axe & Tool Co., Pittsburgh, Pa.
Auburn Mfg. Co., Auburn, N. Y.
Beardsley Scythe Co., W. Winsted, Conn.
H. Knickerbacker, Ballston Spa, N. Y.
G. & M. Nolin, 6 S. Mill St., Skowhegan, Me.
North Wayne Tool Co., Hallowell, Me.
David Wadsworth & Son, Auburn, N. Y.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

D. LAWN SCYTHES.
American Axe & Tool Co., Pittsburgh, Pa.
Auburn Mfg. Co., Auburn, N. Y.
D. Wadsworth & Son, Auburn, N. Y.

1034. SCYTHE RIFLES.

Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.
J. S. Simmons, Gorham, Me.
Zimmerman & Brown, Newark, N. J.

1035. SCYTHE SNATHS.

Auburn Mfg. Co., Auburn, N. Y.
Brown, Hinman & Huntington Co., Columbus, O.
Derby & Ball, Bellows Falls, Vt.
Thos. C. Fisher, Anderson, Ind.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Owosso Tool Co., Owosso, Mich.
Seymour Mfg. Co., Seymour, Ind.

1036. SCYTHE STONES.

Cleveland Stone Co.. Cleveland, O.
F. H. Cook, Plymouth, Vt.
Pike Mfg. Co., Pike Station, N. H.
W. H. Rudkin, 74 William St., New York.
C. E. Strong, Huntingdon, Mass.

1037. SEED DRILLS.

A. COMBINATION SEED DRILLS.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.

B. CORN DRILLS.
Brennan & Co., Louisville, Ky.
J. I. Case Plow Works, Racine, Wis.
Jas. Campbell, Harrison. O.
Challenge Corn Planter Co., Grand Haven, Mich.
Deere & Mansur Co., Moline, Ill.
H. P. Deuscher Co., Hamilton, O.
Emerson, Talcott & Co., Rockford, Ill.
Empire Drill Co., Shortsville, N. Y.

	A. C. Evans Mfg. Co., Springfield, O.
	Farmers' Friend Mfg. Co., Dayton, O.
	Hapgood Plow Co., Alton, Ill.
	Hocking Valley Mfg. Co., Lancaster, O.
	Hoosier Drill Co., Richmond, Ind.
	Keystone Mfg. Co., Sterling, Ill.
	King Drill Co., Logansport, Ind.
	McSherry Mfg. Co., Dayton, O.
	Moline Plow Co., Moline, Ill.
	Parlin & Orendorff Co., Canton, Ill.
	Pekin Plow Co., Pekin, Ill.
	Rockford Plow Co., Rockford, Ill.
	Rude Bros. Mfg. Co., Liberty, Ind.
	Sohn Ridge Implement Co., Hamilton, O.
	Weir Plow Co., Monmouth, Ill.
	Wheel & Seeder Mfg. Co., La Crosse, Wis.
C. COTTON DRILLS.	James Campbell, Harrison, O.
	Deere & Mansur Co., Moline, Ill.
	Hoosier Drill Co., Richmond, Ind.
	Moline Plow Co., Moline, Ill.
	P. P. Mast & Co., Springfield, O.
	Superior Drill Co., Springfield, O.
	Weir Plow Co., Monmouth, Ill.
D. GRAIN DRILLS.	Bickford & Huffman, Macedon, N. Y.
	Brennan & Co., Louisville, Ky.
	Crown Mfg. Co., Phelps, N. Y.
	Deere & Mansur Co., Moline, Ill.
	Dowagiac Mfg. Co., Dowagiac, Mich.
	J. B. Ehrsam Machine Co., Enterprise, Kan.
	Empire Drill Co., Shortsville, N. Y.
	Farmers' Friend Mfg. Co., Dayton, O.
	A. B. Farquhar & Co., York, Pa.
	Havana Press Drill Co., Havana, Ill.
	Hocking Valley Mfg. Co., Lancaster, O.
	Hoosier Drill Co., Richmond, Ind.
	Janesville Machine Co., Janesville, Wis.
	Genesee Valley Mfg. Co., Mount Morris, N. Y.
	P. M. Gundlach, Belleville, Ill.
	Hagerstown Steam Engine & Machine Co., Hagerstown, Md.
	P. P. Mast & Co., Springfield, O.
	McSherry Mfg. Co., Dayton, O.
	Ewald Over, Indianapolis, Ind.
	J. S. Rowell Mfg. Co., Beaver Dam, Wis.
	Rude Bros. Mfg. Co., Liberty, Ind.
	Selby, Starr & Co., Peoria, Ill.
	Sohn Ridge Implement Co., Hamilton, O.
	Spangler Mfg. Co., York, Pa.
	Jacob Strayner & Co., South Bend, Ind.
	Superior Drill Co., Springfield, O.
	Van Brunt & Davis Co., Horicon, Wis.
	Van Brunt & Wilkins Mfg. Co., Horicon, Wis.
	Wayne Works, Richmond, Ind.
	Wheel & Seeder Mfg. Co., La Crosse, Wis.
E. GRAIN DRILLS, COMBINATION.	Bickford & Huffman, Macedon, N. Y.
F. GRAIN DRILLS, FORCE FEED.	Carlisle Mfg. Co., Carlisle, Pa.
	Farmers' Friend Mfg. Co., Dayton, O.
G. GRAIN DRILL ATTACHMENTS.	Bickford & Huffman, Macedon, N. Y.
	Dowagiac Mfg. Co., Dowagiac, Mich.
H. GRAIN DRILL REGULATORS.	Spangler Mfg. Co., York, Pa.
I. GRAIN DRILL TUBES.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	N. Y. Belting & Packing Co., 15 Park Row, New York.
	Trenton Rubber Co., Trenton, N. J.
J. HAND SEED DRILLS.	S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
	Ames Plow Co., Quincy Hall, Boston, Mass.
	E. S. & F. Bateman, Grenloch, N. J.
	Comstock Bros., E. Hartford, Conn.
	Deere & Mansur Co., Moline, Ill.
	C. O. Jelliff & Co., Southport, Conn.
	Mann Mfg. Co., Ogdensburg, N. Y.
	Spangler Mfg. Co., York, Pa.
K. HORSE SEED DRILLS.	Empire Drill Co., Shortsville, N. Y.
	Keystone Mfg. Co., Sterling, Ill.
L. ONION SEED DRILLS.	C. O. Jelliff & Co., Southport, Conn.
M. ROTARY DRILL & CHECK ROW PLANTERS.	Keystone Mfg. Co., Sterling, Ill.

N. SEED DRILLS & CULTIVATORS.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
P. P. Mast & Co., Springfield, O.

O. SEED DRILL ATTACHMENTS.
S. L. Allen & Co., 1107 Market St., Philadelphia, Pa.
Challenge Corn Planter Co., Grand Haven, Mich.
G. D. Colton & Co., Galesburg, Ill.

1038. SEED SOWERS.

Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Goodell Co., Antrim, N. H.
Mann Mfg. Co., Ogdensburg, N. Y.
Jacob Strayer & Co., South Bend, Ind.
Whitman Agricultural Co., N. 8th St. & Clark Av., St. Louis, Mo.
Williams Bros. Mfg. Co., Naubuc, Conn.

A. BROADCAST SEED SOWER.
Goodell Co., Antrim, N. H.
Hoosier Drill Co., Richmond, Ind.
Janesville Machine Co., Janesville, Ind.
Joliet Strowbridge Co., Joliet, Ill.
Van Brunt & Davis Co., Horicon, Wis.
Williams Bros., Ithaca, N. Y.

B. HAND SEED SOWERS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Champion Seeder Co., Urbana, Ind.
Deere & Mansur Co., Moline, Ill.
Goodell Co., Antrim, N. H.
Goshen Sweeper Co., Grand Rapids, Mich.
C. O. Jelliff & Co., Southport, Conn.
Amos E. Schrock & Co., Goshen, Ind.

1039. SEEDERS.

Appleton Mfg. Co., Appleton, Wis.
Avery Planter Co., Peoria, Ill.
W. G. & W. Barnes, Freeport, Ill.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
Carver Mfg. Co., Carver, Minn.
Champion Seeder Co., Urbana, Ind.
Daley Mfg. Co., De Kalb, Ill.
Deere & Mansur Co., Moline, Ill.
Dowagiac Mfg. Co., Dowagiac, Mich.
W. C. Downey & Co., Springfield, O.
Emerson, Talcott & Co., Rockford, Ill.
Goodell Co., Antrim, N. H.
Hoosier Drill Co., Richmond, Ind.
W. M. Hurlbut, Winona, Minn.
Janesville Machine Co., Janesville, Wis.
Joliet Strowbridge Co., Joliet, Ill.
Keystone Mfg. Co., Sterling, Ill.
King & Hamilton Co., Ottawa, Ill.
J. D. Lahman & Co., Franklin Grove, Ill.
McSherry Mfg. Co., Dayton, O.
P. P. Mast & Co., Springfield, O.
G. B. Olin & Co., Canandaigua, N. Y.
Owatonna Mfg. Co., Owatonna, Minn.
Parlin & Orendorff Co., Canton, Ill.
Patton, Stafford & Myer, Canastota, N. Y.
Powell Bros. Mfg. Co., Waukegan, Ill.
D. C. & H. C. Reed & Co., Kalamazoo, Mich.
J. S. Rowell Mfg. Co., Beaver Dam, Wis.
Rude Bros. Mfg. Co., Liberty, Ind.
Selby, Starr & Co., Peoria, Ill.
Sohn Ridge Implement Co., Hamilton, O.
Spangler Mfg. Co., York, Pa.
St. Lawrence Mfg. Co., Gouverneur, N. Y.
Staver & Abbot Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.
Stoddard Mfg. Co., Dayton, O.
Superior Drill Co., Springfield, O.
Van Brunt & Davis Co., Horicon, Wis.
Van Brunt & Wilkins Mfg. Co., Horicon, Wis.
Wheel & Seeder Mfg. Co., La Crosse, Wis.
Whitman Agricultural Co., N. 8th St. & Clark Av., St. Louis, Mo.
Williams Bros., Ithaca, N. Y.

A. GRASS SEEDERS.
Crown Mfg. Co., Phelps, N. Y.
Foster & Williams, Racine, Wis.
Patton, Stafford & Myer, Canastota, N. Y.
Rude Bros. Mfg. Co., Liberty, Ind.

B. WHEELBARROW GRASS SEEDERS.
Crown Mfg. Co., Phelps, N. Y.
Lawrence & Chapin Co., Kalamazoo, Mich.

1040. SEEDERS, COMBINATION.

A. SEEDERS & CULTIVATORS, COMBINED.
W. G. & W. Barnes, Freeport, Ill.

	Comstock Bros., E. Hartford, Conn.	
B. SEEDERS & HARROWS, COMBINED.	Fuller & Johnson Mfg. Co., Madison, Wis.	
	Mann Mfg. Co., Ogdensburg, N. Y.	
C. SEEDERS & SOWERS, COMBINED.	Van Brunt & Davis Co., Horicon, Wis.	
1041. SHEEP SHEARS.	Ohio Co-operative Shear Co., Elyria, O.	*36
	Henry Seymour Cutlery Co., Holyoke, Mass.	*32
1042. SHREDDERS.		
A. CORN STALK SHREDDERS.	E. W. Ross & Co., Springfield, O.	
	St. Albans Foundry, St. Albans, Vt.	
B. HENEQUEN SHREDDERS.	Ferracute Machine Co., Bridgeton, N. J.	
1043. SPADES.	Oliver Ames & Sons Corporation, N. Easton, Mass.	
	William Chisholm & Sons, Cleveland, O.	
	Collins Co., Collinsville, Conn.	
	George Griffiths & Co., 513 Locust St., Philadelphia, Pa.	
	Hussey, Binns & Co., Ltd., Pittsburgh, Pa.	
	H. M. Myers Co., Beaver Falls, Pa.	
	T. Rowland's Sons, 12 N. 5th St., Philadelphia, Pa.	
	St. Louis Shovel Co., Duncan Av. nr. Vandeventer Av., St. Louis, Mo.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
A. DITCHING SPADES.	Geo. Griffiths Co., 513 Locust St., Philadelphia, Pa.	
	Hussey, Binns & Co., Ltd., Pittsburgh, Pa.	
	St. Louis Shovel Co., Duncan Av. nr. Vandeventer Av., St. Louis, Mo.	
1044. STACKERS.		
A. HAY STACKERS.	Acme Hay Harvester Co., Peoria, Ill.	
	C. Aultman & Co., Canton, O.	*104-13
	Bovee Harvesting Machine Co., Tama, Iowa.	
	A. L. Courtright & Co., Keokuk, Iowa.	
	Famous Mfg. Co. 30 W. Randolph St., Chicago, Ill.	
	Gaar, Scott & Co., Richmond, Ind.	
	T. R. & A. Mfg. Co., Kansas City, Mo.	
B. STRAW STACKERS.	Advance Thresher Co., Battle Creek, Mich.	
	C. Aultman & Co., Canton, O.	*104-13
	J. I. Case Threshing Machine Co., Racine, Wis.	
	Eagle Machine Works Co., Indianapolis, Ind.	
	Gaar, Scott & Co., Richmond, Ind.	
	Harrison Machine Works, Belleville, Ill.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Robinson & Co., Richmond, Ind.	
	Russell & Co., Massillon, O.	
C. SWINGING STACKERS.	J. I. Case Threshing Machine Co., Racine, Wis.	
1045. STALK CUTTERS.	B. F. Avery & Sons, Louisville, Ky.	
	David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.	
	George W. Brown & Co., Galesburg, Ill.	
	J. I. Case Plow Works, Racine, Wis.	
	Deere & Mansur Co., Moline, Ill.	
	Eagle Mfg. Co., Davenport, Iowa.	
	Hapgood Plow Co., Alton, Ill.	
	Hauck & Comstock, Mechanicsburg, Pa.	
	Marseilles Mfg. Co., Marseilles, Ill.	
	Moline Plow Co., Moline, Ill.	
	Norwegian Plow Co., Dubuque, Iowa.	
	Parlin & Orendorff Co., Canton, Ill.	
	Reeves & Co., Columbus, Ind.	
	Rockford Plow Co., Rockford, Ill.	
	Rock Island Plow Co., Rock Island, Ill.	
	St. Joseph Plow Co., St. Joseph, Mo.	
	Sandwich Enterprise Co., Sandwich, Ill.	
	Selby, Starr & Co., Peoria, Ill.	
	Sterling Mfg. Co., Sterling, Ill.	
	Sucker State Drill Co., Belleville, Ill.	
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
	Western Mfg. Co., Lincoln, Neb.	
A. CORNSTALK CUTTERS & GRINDERS.	Deere & Mansur Co., Moline, Ill.	
	Marseilles Mfg. Co., Marseilles, Ill.	
	Sandwich Enterprise Co., Sandwich, Ill.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
1046. STRAW BRUISERS.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
1047. STUMP PULLERS.	H. L. Bennett & Co., Westerville, O.	
	Brennan & Co. Louisville, Ky.	
	Butterworth & Lowe, Grand Rapids, Mich.	
	James Dunn, Cleveland, O.	
	A. B. Farquhar & Co., York, Pa.	
	Kratz Bros., Evansville, Ind.	
	James Milne & Son, Scotch Grove, Iowa.	
	Ewald Over, Indianapolis, Ind.	

Sutton Bros. & Bell, Indiana, Pa.

1048. SYRINGES, AGRICULTURAL.

P. C. Lewis, Catskill, N. Y.

A. GARDEN SYRINGES. Rumsey & Co., Ltd., 107 Liberty St., New York.

1049. TEETH, FARM IMPLEMENT.

A. HARROW TEETH. Cambria Iron Co., Johnstown, Pa.

B. RAKE TEETH. Cambria Iron Co., Johnstown, Pa.
Hussey Mfg. Co., Pittsburgh Pa.
Smith Bros. & Co., Pittsburgh, Pa.

C. THRESHER TEETH. C. B. Herrick Co., Racine, Wis.
Rhode Island Tool Co., Providence, R. I.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

1050. THRESHING MACHINES.

Advance Thresher Co., Battle Creek, Mich.
C. Aultman & Co., Canton, O. *104-13
Aultman & Taylor Co., Mansfield, O.
Birdsall Co., Auburn, N. Y.
Alfred Blaker & Co., Newtown, Pa.
W. L. Boyer & Bro., 543 Diamond St., Philadelphia, Pa.
Brennan & Co., Louisville, Ky.
Cardwell Machine Co., Richmond, Va.
J. I. Case Threshing Machine Co., Racine, Wis.
C. & G. Cooper & Co., Mt. Vernon, O.
Stephen G. Cree, Wheelock, Vt.
John S. Davis' Sons, Davenport, Iowa.
Eagle Machine Works Co., Indianapolis, Ind.
Ellis Keystone Agricultural Works, Pottstown, Pa.
A. B. Farquhar & Co., York, Pa.
Frick Co., Waynesboro', Pa. *153
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro', Pa.
Groton Bridge & Mfg. Co., Groton, N. Y.
Hagerstown Iron Works, Hagerstown, Md.
Hagerstown Steam Engine & Machine Co., Hagerstown, Md.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Harrison Machine Works, Belleville, Ill.
Heilman Machine Works, Evansville, Ind.
Huber Mfg. Co., Marion, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
McCormick Har. Mach. Co., 212 Market St., Chicago, Ill.
Marion Mfg. Co., Marion, O.
S. S. Messinger & Son, Tatamy, Pa.
Minneapolis Threshing Machine Co., Minneapolis, Minn.
Nichols & Shepard Co., Battle Creek, Mich.
Pitts Agricultural Works, Buffalo, N. Y.
Port Huron Engine & Thresher Co., Upton Works, Mich.
Roberts, Thorp & Co., Three Rivers, Mich.
Robinson & Co., Richmond, Ind.
Benj. F. Rollins, St. Johnsbury, Vt.
J. S. Rowell Mfg. Co., Beaver Dam, Wis.
M. Rumely Co., La Porte, Ind.
Russell & Co., Massillon, O.
Ryan-McDonald Mfg. Co., Waterloo, N. Y.
Scheidler Machine Works, Newark, O.
L. Spence, Martin's Ferry, O.
St. Albans Foundry, St. Albans, Vt.
A. W. Stevens & Son, Auburn, N. Y.
Westinghouse Co., Schenectady, N. Y.
Winston Agricultural Works, Winston, N. C.

A. BEAN THRESHERS. Robinson & Co., Richmond, Ind.

B. BROOM CORN THRESHERS. Robinson & Co., Richmond, Ind.

C. CLOVER HULLERS. Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

D. GRAIN THRESHERS. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
John S. Davis' Sons, Davenport, Iowa.
Geiser Mfg. Co., Waynesboro', Pa.
Meyer & Schrage, Sheboygan, Wis.
Ohio Thresher & Engine Co., Upper Sandusky, O.

E. SEED THRESHING MACHINERY. Gaar, Scott & Co., Richmond, Ind.
Robinson & Co., Machine Works, Richmond, Ind.

F. THRESHERS & CLEANERS. Albany Agricultural Machine Works, Albany, N. Y.
American Farm Implement Co., Raritan, N. J.
Cardwell Machine Co., Richmond, Va.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

G. THRESHERS & SEPARATORS. Albany Agricultural & Machine Works, Albany, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.

Birdsall Co., Auburn, N. Y.
Cardwell Machine Co., Richmond, Va.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

1051. THRESHING MACHINE ATTACHMENTS.

Byron Jackson, San Francisco, Cal.
Gaar, Scott & Co., Richmond, Ind.
Minneapolis Threshing Machine Co., Minneapolis, Minn.
Russell & Co., Massillon, O.

A. BAGGERS. — J. I. Case Threshing Machine Co., Racine, Wis.
B. BARLEY BEARDERS. — St. Johnsville Agricultural Works, St. Johnsville, N. Y.
C. FLAX ATTACHMENTS. — Plano Mfg. Co., Plano, Ill.
D. GRAIN SACKERS, AUTOMATIC. — St. Johnsville Agricultural Works, St. Johnsville, N, Y.
E. GRAIN SEPARATORS. — Beeman Grain Cleaner Co., Minneapolis, Minn.
J. I. Case Threshing Machine Co., Racine, Wis.
A. B. Farquhar & Co., York, Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

1052. TOOLS, AGRICULTURAL.

A. FARMING TOOLS, HAND. — Advance Mfg. Co., Hamilton, O.
Ashtabula Tool Co., Ashtabula, O.
E. Bement & Sons, Lansing, Mich.
L. Bolles Hoe & Tool Co., Binghamton, N. Y.
Brown, Hinman & Huntington Co., Columbus, O.
Carter & Co., Scranton, Pa.
H. P. Deuscher Co., Hamilton, O.
French, Watson & Co., Hartford, Vt.
Geneva Tool Co., Geneva, O.
Smith Harper, 12th N. 5th St., Philadelphia, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Richard W. Montross, Galien, Mich.
Otsego Fork Mills Co., Girard Pa.
Peck, Clark & Co., Brookfield, Vt.
O. S. Rixford, E. Highgate, Vt.
Sandusky Tool Co., Sandusky, O. *210
George Spratt & Co., Sheboygan, Wis.
Stafford & Holden Mfg. Co., Barre, Vt.

B. GARDEN TOOLS. — E. S. & F. Bateman, Grenloch, N. J.
E. Bement & Sons, Lansing, Mich.
Brown, Hinman & Huntington Co., Columbus, O.
Chalfant Mfg. Co., Atglen, Pa.
Comstock Bros., E. Hartford, Conn.
Derby & Ball, Bellows Falls, Vt.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Sandusky Tool Co., Sandusky, O. *210

C. GARDEN TOOLS, COMBINATION. — Comstock Bros., E. Hartford, Conn.
Philadelphia Novelty Mfg. Co., 428 W. 13th St., Phila., Pa.

D. GARDEN TOOL RACKS. — Iowa Farming Tool Co., Fort Madison, Iowa.

1053. TOOLS, LAWN.

A. BORDER KNIVES. — Knapp & Cowles Mfg. Co., Bridgeport, Conn.
B. GRASS EDGERS. — Chadborn & Coldwell Mfg. Co., Newburg, N. Y.
Graham, Emlen & Passmore, 631 Market St., Philadelphia, Pa.
C. TURF EDGERS. — Ely Hoe & Fork Co., St. Johnsbury, Vt.

1054. TRANSPLANTERS. — Iowa Farming Tool Co., Fort Madison, Iowa.

1055. TROWELS, GARDEN.

Brown, Hinman & Huntington Co., Columbus, O.
Wm. Johnson, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
H. A. Lothrop Mfg. Co., Sharon, Mass.
Sweet & Clark Co., Marion, Ind.

1056. WEEDERS.

Auburn Mfg. Co., Auburn, N. Y.
Benicia Agricultural Works, Benicia, Cal.
Comstock Bros., E. Hartford, Conn.
Iowa Farming Tool Co., Fort Madison, Ia.
W. C. Stiles, Warren, O.

A. ONION WEEDERS. — Comstock Bros., E. Hartford, Conn.
B. WEEDERS & POTATO DIGGERS, COMBINED. — Gibbs Mfg. Co., Canton, O.
C. WEEDERS & RAKE, COMBINED. — Geneva Tool Co., Geneva, O.
Smith Harper, 12 N. 5th St., Philadelphia, Pa.
Thos. Laughlin & Son, Portland, Me.
D. WEEDING HOOKS. — Auburn Mfg. Co., Auburn, N. Y.

1057. YUCA GRATERS. — H. N. Hubbard, 96 Chambers St., New York.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.

HOISTING.

1058. BLOCKS, HOISTING.

A. BRONZE HOISTING BLOCKS.
Shelton Co., Birmingham, Conn.

B. IRON HOISTING BLOCKS.
Albany Agricultural & Machine Works, Albany, N. Y.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
Detroit Block Works, Detroit, Mich.
S. C. Forsaith Machine Co., Manchester, N. H.
Edwin Harrington, Son & Co., 15th St. & Penn. Av., Phila., Pa.
Thos. Laughlin & Son, Portland, Me.
Moore Mfg. & Foundry Co., Milwaukee, Wis.
Rhode Island Tool Co., Providence, R. I.
Stuebner & Woods, Long Island City, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

C. STEEL HOISTING BLOCKS.
Fulton Iron & Engine Works, Detroit, Mich.

D. WOODEN HOISTING BLOCKS.
Albany Agricultural Machine Works, Albany, N. Y.
H. C. Barrett & Co., 391 Atlantic Av., Boston, Mass.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Cleveland Block Co., Cleveland, O.
Walter Coleman & Sons, Providence, R. I.
Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
Detroit Block Works, Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
J. A. Dubuar Mfg. Co., Northville, Mich.
Fulton, Bollman & Co., Pittsburgh, Pa.
Byron Jackson, San Francisco, Cal.
Lane Bros., Poughkeepsie, N. Y.
Thos. Laughlin & Son, Portland, Me.
W. H. McMillan's Son, 113 South St., New York.
Shubert & Cottingham, 118 N. Delaware Av., Philadelphia, Pa.
Toledo Block Works, Toledo, O.
Union Hardware Co., Torrington, Conn.

1059. BLOCK PARTS.

A. BLOCK SHACKLES.
H. H. Harvey, 116 High St., Boston, Mass.
G. M. Stanwood & Co., Portland, Me.

B. BLOCK SHEAVES.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
P. & F. Corbin, New Britain, Conn.
J. A. Dubuar Mfg. Co., Northville, Mich.
Thos. Laughlin & Son, Portland, Me.
G. M. Stanwood & Co., Portland, Me.
E. C. Stearns & Co., Syracuse, N. Y.

1060. BUCKETS, ELEVATOR.
W. J. Clark & Co., Salem, O. *121
Frost Mfg. Co., Galesburg, Ill.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Jeffrey Mfg. Co., Columbus, O.
Link Belt Machine Co., 39th St. & Stewart Av., Chicago, Ill.
W. P. Myer, Indianapolis, Ind.
John T. Noye Mfg. Co., Buffalo, N. Y.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

A. STEEL ELEVATOR BUCKETS, SEAMLESS.
Avery Stamping Co., Cleveland, O.

1061. BUCKETS, HOISTING.
Dickson Mfg. Co., Scranton, Pa.
Frost Mfg. Co., Galesburg, Ill.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131

A. COAL BUCKETS.
Albany Agricultural & Machine Works, Albany, N. Y.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
McMyler Mfg. Co., Cleveland, O.
Stuebner & Woods, Long Island City, N. Y.

B. COAL BUCKETS, STEEL.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
National Barrow & Truck Co., 82 Fulton St., New York.

C. ORE BUCKETS.
M. C. Bullock Mfg. Co., 138 Jackson St., Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Griffiths & Wedge Co., Zanesville, O.
McMyler Mfg. Co., Cleveland, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Stuebner & Woods, Long Island City, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1062. CAPSTANS.
American Ship Windlass Co., Providence, R. I. *119

	Edson Mfg. Co., 132 Commercial St., Boston, Mass.	
	Providence Steam Engine Co., Providence, R. I.	
	Risdon Iron & Locomotive Works, San Francisco, Cal.	
	Albert Russell & Sons, Newburyport, Mass.	
A. BAR CAPSTANS.	American Ship Windlass Co., Providence, R. I.	*119
	J. A. Dubuar Mfg. Co., Northville, Mich.	
	Edson Mfg. Co., 132 Commercial St., Boston, Mass.	
B. CAPSTAN BARS.	J. A. Dubuar Mfg. Co., Northville, Mich.	
C. CRANK CAPSTANS.	American Ship Windlass Co., Providence, R. I.	*119
D. CAPSTAN SHEET HOLDERS.	American Ship Windlass Co., Providence, R. I.	*119
	J. A. Dubuar Mfg. Co., Northville, Mich.	
E. DOCK CAPSTANS.	American Ship Windlass Co., Providence, R. I.	*119
F. STEAM CAPSTANS.	American Ship Windlass Co., Providence, R. I.	*119
	Edson Mfg. Co., 132 Commercial St., Boston, Mass.	
	James Rees, Pittsburgh, Pa.	
1063. CRANES.		
A. BRIDGE CRANES.	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
B. DERRICK CRANES.	Industrial Works, Bay City, Mich.	
	Osgood Dredge Co., Albany, N. Y.	
	Pratt & Whitney Co., Hartford, Conn.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Yale & Towne Mfg. Co., Stamford, Conn.	
C. ELECTRIC CRANES.	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Niles Tool Works, Hamilton, O.	*180–9
	Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa.	*257
D. GANTRY CRANES.	Yale & Towne Mfg. Co., Stamford, Conn.	
E. HAND CRANES.	Birmingham Iron Foundry, Birmingham, Conn.	
	Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.	
F. HYDRAULIC CRANES.	Dickson Mfg. Co., Scranton, Pa.	
	Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	Southwark F'dry & Mach. Co., Wash'n Av. & S. 5th St., Phila., Pa.	
	Wm. Todd & Co., Youngstown, O.	
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.	
G. INGOT CRANES.	Robinson & Rea Mfg. Co., Pittsburgh, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
H. JIB CRANES.	Jones & Laughlin, Ltd., Pittsburgh, Pa.	
	Phœnix Iron Works, Cleveland, O.	
	William Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
I. LADLE CRANES.	Robinson & Rea Mfg. Co., Pittsburgh, Pa.	
J. LIGHT CRANES.	Industrial Works, Bay City, Mich.	
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
K. LOCOMOTIVE CRANES.	Phœnix Iron Works, Cleveland, O.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
L. MOVABLE JIB CRANES.	Pratt & Whitney Co., Hartford, Conn.	
M. PILLAR CRANES.	Pratt & Whitney Co., Hartford, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
N. POWER CRANES.	Bement, Miles & Co., Callowhill & N. 21st Sts., Philadelphia, Pa.	
	Birmingham Iron Foundry, Birmingham, Conn.	
	Copeland & Bacon, 85 Liberty, St., New York.	
	Dickson Mfg. Co., Scranton, Pa.	
	Farrell Foundry & Machine Co., Ansonia, Conn.	
	Osgood Dredge Co., Albany, N. Y.	
	Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
O. RECTILINEAR CRANES.	Pratt & Whitney Co., Hartford, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
P. ROTARY CRANES.	Pratt & Whitney Co., Hartford, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
Q. SWING CRANES.	Farrell Foundry & Machine Co., Ansonia, Conn.	
	Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	William Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
R. TRAM CRANES.	Pratt & Whitney Co., Hartford, Conn.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
S. TRAVELING CRANES.	Bement, Miles & Co., Callowhill & N. 21st Sts., Philadelphia, Pa.	
	Billmeyer & Small Co., York, Pa.	
	Farrell Foundry & Machine Co., Ansonia, Conn.	
	Ft. Scott Foundry & Machine Co., Ft. Scott, Kan.	
	Harrisburg Car Mfg. Co., (F'dry & Mach. Dept.), Harrisburg, Pa.	
	Morgan Engineering Co., Alliance, O.	

Niles Tool Works, Hamilton, O. *180–9
Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.
Phœnix Iron Works, Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
William Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Toledo Foundry & Machine Co., Toledo, O.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

T. WALKING CRANES.
Pratt & Whitney Co., Hartford, Conn.
Yale & Towne Mfg. Co., Stamford, Conn.

1064. DERRICKS.

A. COAL DERRICKS.
Excelsior Iron Works Co., Cleveland, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. CONSTRUCTION DERRICKS.
Brennan & Co., Louisville, Ky.
Geo. B. Carpenter & Co., 208 S. Water St., Chicago, Ill.
J. I. Case Threshing Machine Co., Racine, Wis.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
Dickson Mfg. Co., Scranton, Pa.
Industrial Works, Bay City, Mich.
Knoxville Car Wheel Co., Knoxville, Tenn.
Geo. R. Lombard & Co., Augusta, Ga.
McMyler Mfg. Co., Cleveland, O.
Osgood Dredge Co., Albany, N. Y.
Ryan-McDonald Mfg. Co., Waterloo, N. Y.

C. MINING & QUARRY DERRICKS.
Dickson Mfg. Co., Scranton, Pa.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
H. H. Harvey, 116 High St., Boston, Mass.

D. ORE DERRICKS.
Excelsior Iron Works Co., Cleveland, O.

E. PILE DRIVING DERRICKS.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Vulcan Iron Works, 86 N. Clinton St., Chicago, Ill.

F. REVOLVING STEAM DERRICKS.
McMyler Mfg. Co., Cleveland, O.
Sulzer-Vogt Machine Co., Louisville, Ky. *168

G. WRECKING DERRICKS.
Brooks Locomotive Works, Dunkirk, N. Y.
Excelsior Iron Works Co., Cleveland, O.

1065. DERRICK FIXTURES.

Thomas Carlin's Sons, Allegheny, Pa.
Contractor's Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
H. H. Harvey, 116 Migh St., Boston, Mass.
Lincoln Iron Works, Rutland, Vt.
Ryan-McDonald Mfg. Co., Waterloo, N. Y.

1066. DRUMS, HOISTING.

M. C. Bullock Mfg. Co., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fulton Iron Works, San Francisco, Cal.
Moore Mfg. & Foundry Co., Milwaukee, Wis.
Ottumwa Iron Works, Ottumwa, Iowa.
Pacific Iron Works, San Francisco, Cal.
Ryan-McDonald Mfg. Co., Waterloo, N. Y
Vulcan Iron Works, Wilkes Barre, Pa. *131

A. CONICAL DRUMS.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. CYLINDRICAL DRUMS.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. WINDING DRUMS.
M. C. Bullock Mfg. Co., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Frey-Sheckler Co., Bucyrus, O. *162
Griffith & Wedge Co., Zanesville, O.
C. & A. Potts & Co., Indianapolis, Ind.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. WIRE ROPE CONES.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1067. DUMB WAITERS.

Butler Hardware Co., 18 Warren St., New York.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Marshall Bros., Pittsburgh, Pa.
Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120
Edward Storm Spring Co., Ltd., Poughkeepsie, N. Y.

1068. ELEVATORS.

A. BELT POWER ELEVATORS.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Holyoke Hydrant Iron Works, Holyoke, Mass.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
Morse, Williams & Co., 1105 Frankford Av., Phila, Pa. *120
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.
Springfield Foundry Co., Springfield, Mass.

Sulzer-Vogt Machine Co., Louisville, Ky. *168

B. CARRIAGE ELEVATORS.
C. H. Mitchell & Co , 363 S. Clinton St., Chicago, Ill.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.

C. COAL ELEVATORS.
Dickson Mfg. Co., Scranton. Pa.
Stuebner & Woods, Long Island City, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. COAL ELEVATORS & SCREENS.
Ottumwa Iron Works, Ottumwa, Ia.

E. ELECTRIC ELEVATORS.
Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa. *257
Vulcan Iron Works, Wilkes Barre, Pa. *131

F. FACTORY ELEVATORS.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Fairmount Machine Co., 22d & Wood St., Philadelphia, Pa.
Holyoke Hydraulic & Iron Works, Holyoke, Mass.
E. D. Jones, Sons & Co., Pittsfield, Mass.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
Otis Bros. & Co., 38 Park Row, New York.
Phenix Iron Foundry, Providence, R. I.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.
Springfield Foundry Co., Springfield, Mass.

G. FREIGHT ELEVATORS.
Bartlett, Hayward & Co., Baltimore, Md.
Nelson Beckwith, 41 Beverly St., Boston, Mass.
Chase Turbine Mfg. Co., Orange, Mass.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Cyrus Currier & Sons, Newark, N. J.
Joseph Edwards & Co., 412 Water St., New York.
J. B. Ehrsam Machine Co., Enterprise, Kan.
Fairmount Mach. Co., 22d & Wood St., Philadelphia, Pa.
D. Frisbie Co., New Haven, Conn.
Leonard D. Harrison, New Haven, Conn.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Industrial Works, Bay City, Mich.
Jeffrey Mfg. Co., Columbus, O.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Kieckhefer Elevator Mfg. Co., Ltd., Milwaukee, Wis.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Link Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Marshall Bros., Pittsburgh, Pa.
C. H. Mitchell & Co , 363 S. Clinton St., Chicago, Ill.
Henry G. Morris, 926 Drexel Bldg., Philadelphia, Pa.
Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120
New Albany Rail Mill Co., New Albany, Ind.
O'Donnell & Barrett Elevator Co., Cleveland, O.
Otis Bros. & Co., 38 Park Row, New York.
Pacific Iron Works, Bridgeport, Conn.
Pittsburgh Mfg. Co., Pittsburgh, Pa.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.
Reynolds Iron Works, New Orleans, La.
Springfield Foundry Co., Springfield, Mass.
Stokes & Parrish Elevator Co., 30th & Chestnut Sts., Phila., Pa.
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Union Elevator Co., Indianapolis, Ind.
Whittier Machine Co., 1776 Tremont St., Boston, Mass.
Thomas Wood & Co., 22d & Wood Sts., Philadelphia, Pa.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.

H. HAND POWER ELEVATORS.
J. B. & J. M. Cornell, 141 Centre St., New York.
Crane Elevator Co , 219 S. Jefferson St., Chicago, Ill.
Edwin Harrington, Son & Co., N. 15th St., Penna. Av., Phila, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
E. D. Jones, Sons & Co., Pittsfield, Mass.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120
J. W. Reedy Mfg. Co., 91 Illinois St., Chicago, Ill.
Smith-Hill Foundry & Machine Co., Quincy, Ill.
Edward Storm Spring Co., Ltd., Poughkeepsie, N. Y.
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Bartlett, Hayward & Co., Baltimore, Md.

I. HYDRAULIC ELEVATORS.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Dickson Mfg. Co., Scranton, Pa.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Joshua Hendy Machine Works, 39 Fremont St., San Francisco, Cal.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.

Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120
Otis Bros. & Co., 38 Park Row, New York.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.
Geo. J. Roberts & Co., Dayton, O.
Smith-Hill Foundry & Machine Co., Quincy, Ill.
Springfield Foundry Co., Springfield, Mass.
Stokes & Parrish Elevator Co., 30th & Chestnut Sts., Phila , Pa.
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

J. LINK BELT ELEVATORS. Link Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.

K. PASSENGER ELEVATORS. Bartlett, Hayward & Co., Baltimore, Md.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
L. S. Graves & Son, Rochester, N. Y.
Howard Iron Works, Buffalo, N. Y.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120
Otis Bros. & Co., 38 Park Row, New York.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St , Chicago, Ill.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Springfield Foundry Co., Springfield, Mass.
Stokes & Parrish Machine Co., 30th & Chestnut Sts., Phila, Pa.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

L. SIDEWALK ELEVATORS. J. B. & J. M. Cornell, 141 Centre St., New York.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Jackson Arch. Iron Works, 315 E. 28th St., New York.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.

M. STEAM HOD ELEVATORS. Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91

N. STEAM POWER ELEVATORS. Altoona Mfg. Co., Altoona, Pa.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Joseph Edwards & Co., 412 Water St., New York.
Fairmount Machine Co., 22d & Market Sts., Philadelphia, Pa.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.
Smith-Hill Foundry & Machine Co., Quincy, Ill.
Valk & Murdock Iron Works, Charleston, S. C.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

O. STREET CAR ELEVATORS. Otis Bros. & Co., 38 Park Row, New York.
Phenix Iron Foundry, Providence, R. I.
Springfield Foundry Co., Springfield, Mass.

P. WAREHOUSE ELEVATORS. Cardwell Machine Co., Richmond, Va.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.
J. W. Reedy Elevator Mfg. Co., 91 Illinois St., Chicago, Ill.

1069. ELEVATOR ACCESSORIES.

A. ELEVATOR HAND STOP GRIPS. Butler Hardware Co., 18 Warren St., New York.
Jas. L. Haven, 56 Plum St., Cincinnati, O.
Edward Storm Spring Co., Ltd., Poughkeepsie, N. Y.
Marshall Bros., Pittsburgh, Pa.
Morse, Williams & Co., 1105 Frankford Av., Phila, Pa. *120

B. ELEVATOR HATCH COVERS. Geo. C. Howard, 18th St. S. of Market St., Philadelphia, Pa.
Morse, Williams & Co., 1105 Frankford Av., Phila., Pa. *120

C. ELEVATOR INDICATORS. Whittier Machine Co., 1176 Tremont St., Boston, Mass.

D. ELEVATOR SAFETY HATCHES. Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.

E. ELEVATOR WEIGHTS. Buffalo Scale Co., Buffalo, N. Y.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.

F. HOISTING CARRIAGES. Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

G. PASSENGER ELEVATOR CARS. Hecla Iron Works, N. 10th & Berry Sts., Brooklyn, N. Y.
C. H. Mitchell & Co., 363 S. Clinton St., Chicago, Ill.

1070. GRAIN ELEVATOR MACHINERY.

Frost Mfg. Co., Galesburg, Ill.
Paige Mfg. Co., Plainville, O. *130
Robt. Poole & Son Co., Baltimore, Md. *132

A. GRAIN CAR LOADERS. Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

B. GRAIN ELEVATORS. Barnett & Record, Minneapolis, Minn.
Metcalf, Macdonald Co., 195 S. Canal St., Chicago, Ill.
John T. Noye Mfg, Co., Buffalo, N. Y.

	Robert Poole & Son Co., Baltimore, Md.	*132
	United States Wind Engine & Pump Co., Batavia, Ill.	
C. GRAIN ELEVATOR MATERIALS.	John T. Noye Mfg. Co., Buffalo, N. Y.	
D. GRAIN SHOVELS.	Howard Iron Works, Buffalo, N. Y.	
E. GRAIN SHOVELS, AUTOMATIC POWER.	G. W. & C. A. Lane, Exeter, N. H.	
F. GRAIN SHOVELS, POWER.	Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.	
1071. GRAPPLE HOOKS.	G. M. Stanwood & Co., Portland, Me.	
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
A. BARREL HOOKS.	Barrel Swing Mfg. Co., Constantine, Mich.	
	Lansing Wheelbarrow Co., Lansing, Mich.	
	Thos. Laughlin & Son, Portland, Me.	
	G. M. Stanwood & Co., Portland, Me.	
1072. HOISTING MACHINERY.		
A. BELT POWER HOISTING MACHINERY.	Morse, Williams & Co., 1105 Frankford Av., Phila., Pa.	*120
B. FRICTION HOISTING MACHINES.	Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.	
	Hersey Bros., S. Boston, Mass.	
	J. S. Mundy, Newark, N. J.	
C. HAND POWER HOISTING MACHINERY.	Morse, Williams & Co., 1105 Frankford Av., Phila., Pa.	*120
D. HORSE POWER HOISTING MACHINES.	Albany Agricultural Machine Works, Albany, N. Y.	
	Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y.	*91
	Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
E. STEAM POWER HOISTING MACHINES.	Beckett Foundry & Machine Co., Arlington, N. J.	
	Brown Hoisting & Conveying Co., Cleveland, O.	
	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Cardwell Machine Co., Richmond. Va.	
	William Chisholm & Sons, Cleveland, O.	
	Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y.	*91
	Copeland & Bacon, 89 Liberty St., New York.	
	Fairmount Park Machine Co., 22d & Market Sts., Phila., Pa.	
	D. Frisbie Co., New Haven, Conn.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Globe Iron Works Co., Center & Spruce Sts., Cleveland, O.	
	Kieckhefer Elevator Mfg. Co., Milwaukee, Wis.	
	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	Marshall Bros., Pittsburgh, Pa.	
	Morse, Williams & Co., 1105 Frankford Av., Phila., Pa.	*120
	J. S. Mundy, Newark, N. J.	
	Osgood-Dredge Co., Albany, N. Y.	
	Otis Bros. & Co., 38 Park Row, New York.	
	Ottumwa Iron Works, Ottumwa, Iowa.	
	Pacific Iron Works, Bridgeport, Conn.	
	Pond Machine Tool Co., 111 Liberty St., New York.	
	Jas. Rees, Pittsburgh, Pa.	
	Rochester Machine Mfg. Co., 34 W. Monroe St., Chicago, Ill.	
	Stokes & Parrish Elevator Co., 30th & Chestnut Sts., Phila., Pa.	
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.	
	Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Webster, Camp & Lane Machine Co., Akron, O.	
1073. HOISTING MACHINERY, COAL.		
	M. C. Bullock Mfg. Co., Chicago, Ill.	
	Copeland & Bacon, 89 Liberty St., New York.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Link Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.	
	Litchfield Car & Machine Co., Litchfield, Ill.	
	Ottumwa Iron Works, Ottumwa, Iowa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
A. AUTOMATIC COAL CHUTES.	Williams, White & Co., Moline, Ill.	
B. CHUTE GUIDES.	Dickson Mfg. Co., Scranton, Pa.	
C. COAL ELEVATOR CARS.	Stacey Mfg. Co., 33 Mill St., Cincinnati, O.	
D. COAL LOADERS.	Ottumwa Iron Works, Ottumwa, Iowa.	
E. HOISTING TUBS.	F. H. Evans, 596 Kent Av., Brooklyn, N. Y.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	C. W. Hunt Co., New Brighton, N. Y.	
	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Standard Stave & Cooperage Co., 160 State St., Boston, Mass.	
	Stuebner & Woods, Long Island City, N. Y.	
F. HOISTING TUBS, STEEL.	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	

	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Stuebner & Woods, Long Island City, N. Y.	
G. SELF-DUMPING TUBS.	Albany Agricultural Machine Works, Albany, N. Y.	
	Thos. Carlin's Sons, Allegheny, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Nelsonville Foundry & Machine Co., Nelsonville, O.	
	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Sharon Boiler Works, Ltd., Sharon, Pa.	
	Stuebner & Woods, Long Island City, N. Y.	
H. SELF-FILLING TUBS.	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	C. W. Hunt & Co., New Brighton, N. Y.	

1074. HOISTING & HANDLING MACHINES.

A. CHAIN HOISTING TACKLE.	Jackson Mfg. Co., Harrisburg, Pa.	
B. COAL HOISTING & HANDLING MACHINES.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	M. C. Bullock Mfg. Co., Chicago, Ill.	
	William Chisholm & Sons, Cleveland, O.	
	Copeland & Bacon, 89 Liberty St., New York.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
C. DEEP MINE HOISTING MACHINERY.	M. C. Bullock Mfg. Co., Chicago, Ill.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Pacific Iron Works, San Francisco, Cal.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
D. GAUGE CHAIN.	Yale & Towne Mfg. Co., Stamford, Conn.	
E. HOISTING TACKLE ACCESSORIES.	Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y.	*91
F. ORE HOISTING & HANDLING MACHINES.	William Chisholm & Sons, Cleveland, O.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	P. H. Glatfelter, Spring Forge, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	131
G. STONE HOISTING & HANDLING MACHINERY.	Lincoln Iron Works, Rutland, Vt.	
	Ottumwa Iron Works, Ottumwa, Iowa.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Vulcan Iron Works, Wilkes Barre, Pa.	*131

1075. HOISTS.

A. BUILDERS' HOISTS.	Adrian Brick & Tile Machine Co., Adrian, Mich.	
B. FRICTION HOISTS.	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Morris Co. Machine & Iron Co., Dover, N. J.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
C. FURNACE HOISTS.	Otis Bros. & Co., 38 Park Row, New York.	
	Stokes & Parrish Elevator Co., 30th & Chestnut Sts., Phila., Pa.	
D. HAND HOISTS.	Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.	
	Alfred Box & Co., 312 Green St., Philadelphia, Pa.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	E. Harrington, Son & Co., N. 15th St. & Penn. Av., Phila., Pa.	
	Wyoming Valley Mfg. Co., Wilkes Barre, Pa.	
	Yale & Towne Mfg. Co , Stamford, Conn.	
E. HAND HOISTS, PORTABLE.	Tinius Olsen & Co., 500 N. 12th St.,.Philadelphia, Pa.	
F. HORSE POWER HOISTS.	Albany Agricultural Machine Works, Albany, N. Y.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.	
G. MINING HOISTS.	M. C. Bullock Mfg. Co., Chicago, Ill.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Kenney & Co., Scottdale, Pa.	
	Stokes & Parrish Elevator Co., 30th & Chestnut Sts., Phila., Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
H. MINING HOISTS, HORSE POWER.	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Pacific Iron Works, San Francisco, Cal.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
I. OUT RIGGER HOISTS.	Yale & Towne Mfg. Co., Stamford, Conn.	
J. PNEUMATIC HOISTS.	M. C. Bullock Mfg. Co., Chicago, Ill.	
	Dickson Mfg. Co., Scranton, Pa.	
	Taws & Hartman, 1235 N. Front St., Philadelphia, Pa.	
K. PORTABLE HOISTS.	M. C. Bullock Mfg. Co., Chicago, Ill.	
	E. Harrington, Son & Co., N. 15th St. & Penn. Av., Phila., Pa.	
	Watson & Stillman, 204 E. 43d St., New York.	
L. QUARRY HOISTS.	M. C. Bullock Mfg. Co., Chicago, Ill.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Dickson Mfg. Co., Scranton, Pa.	
	Ottumwa Iron Works, Ottumwa, Iowa.	
M. ROPE HOISTS.	M. C. Bullock Mfg. Co., Chicago, Ill.	
N. SAFETY DOUBLE LIFTS.	Yale & Towne Mfg. Co., Stamford, Conn.	
O. SCREW PULLEY HOISTS.	Alfred Box & Co., 312 Green St., Philadelphia, Pa.	
	E. Harrington, Son & Co., N. 15th St. & Penn. Av., Phila., Pa.	

P. STEAM HOISTS.	M. C. Bullock Mfg. Co., Chicago, Ill.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Knoxville Car Wheel Co., Knoxville, Tenn.	
Q. TRENCH HOISTS.	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
1076. HOISTS, ELECTRIC.	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa.	*257
1077. JACKS.	Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.	
	Joyce, Cridland & Co., Dayton, O.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	Rumsey & Co., Ltd., 107 Liberty St., New York.	
	Watson & Stillman, 204 E. 43d St., New York.	
A. CAR JACKS	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Joyce, Cridland & Co., Dayton, O.	
	Springfield Foundry Co., Springfield, Mass.	
B. CARRYING JACKS.	Illinois Iron & Bolt Co., Carpentersville, Ill.	
C. HORSE POWER JACKS.	Silver Mfg. Co., Columbiana Co., Salem, O.	*205
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
D. HYDRAULIC JACKS.	J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa.	*38
	Currier, Cyrus & Sons, Newark, N. J.	
	Dickson Mfg. Co., Scranton, Pa.	
	Richard Dudgeon, 24 Columbia St., New York.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Post & Co., 217 4th St., Cincinnati, O.	
	Walker Mfg. Co., Cleveland, O.	
E. HYDROSTATIC JACKS.	Watson & Stillman, 204 E. 43d St., New York.	
F. JACK SCREWS.	Belleville Pump & Skein Works, Belleville, Ill.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Dayton Malleable Iron Co., Dayton, O.	
	Defiance Machine Works, Defiance, O.	
	Dickson Mfg. Co., Scranton, Pa.	
	Richard Dudgeon, 24 Columbia St., New York.	
	Gould's Mfg. Co., Seneca Falls, N. Y.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Joyce, Cridland & Co., Dayton, O.	
	Geo. R. Lombard & Co., Augusta, Ga.	
	McSherry Mfg. Co., Dayton, O.	
	S. A. Millard Mfg. Co., Clayville, N. Y.	
	Miller's Falls Co., Miller's Falls, Mass.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	Rumsey & Co., Ltd., 107 Liberty St., New York.	
	Springfield Foundry Co., Springfield, Mass.	
	E C. Stearns & Co., Syracuse, N. Y.	
	Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.	
	Watson & Stillman, 204 E. 43d St., New York.	
G. JACK SCREWS, HOUSE RAISING.	Illinois Iron & Bolt Co., Carpentersville, Ill.	
H. JACK SCREWS, LOCOMOTIVE.	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Joyce, Cridland & Co., Dayton, O.	
I. JACK SCREWS, TRACK.	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Joyce, Cridland & Co., Dayton, O.	
J. JACK SCREWS, TRAVERSING.	Joyce, Cridland & Co., Dayton, O.	
K. LIFTING JACKS.	F. M. De Weese, Chillicothe, O.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Farmers' Mfg. & Supply Co., Indianapolis, Ind.	
	S. C. Forsaith Mach. Co., Manchester, N. H.	
	Hagerstown Iron Works, Hagerstown, Md.	
	Joyce, Cridland & Co., Dayton, O.	
	T. B. Mallory, Flemington, N. J.	
	A. O. Norton, 164 High St., Boston, Mass.	
	Reeves & Co., Columbus, Ind.	
	Sutton Bros. & Bell, Indiana, Pa.	
L. LEVER JACKS.	Bagley & Sewell Co., Watertown, N. Y.	
	Carlisle Mfg. Co., Carlisle, Pa.	
	Dayton Malleable Iron Co., Dayton, O.	
	Richard Dudgeon, 24 Columbia St., New York.	
	Joyce, Cridland & Co., Dayton, O.	
	McSherry Mfg. Co., Dayton, O.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	Railway Speed Recorder Co., Kent, O.	
	Springfield Foundry Co., Springfield, Mass.	
	Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.	
	Watson & Stillman, 204 E. 43d St., New York.	
M. POWER JACKS.	Appleton Mfg. Co., Appleton, Wis.	
	Challenge Wind Mill & Feed Mill Co., Batavia, Ill	

C. D. Colton & Co., Galesburg, Ill.
W. R. Harrison & Co., Canton, O.
Joliet Mfg. Co., Joliet, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.

N. PULLING JACKS. Joyce, Cridland & Co., Dayton, O.
O. RATCHET JACKS. Illinois Iron & Bolt Co., Carpentersville, Ill.
P. TRIPOD JACKS. Illinois Iron & Bolt Co., Carpentersville, Ill.

1078. UNLOADERS, BALLAST.
Industrial Works, Bay City, Mich.
Marion Steam Shovel Co., Marion, O.

1079. WHARF DROPS. American Ship Windlass Co., Providence, R. I. *119

1080. WINCHES. American Ship Windlass Co., Providence, R. I. *119
Dickson Mfg. Co., Scranton, Pa.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Globe Iron Works Co., Center & Spruce Sts., Cleveland, O.
Phœnix Iron Works, Cleveland, O.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Albert Russell & Sons, Newburyport, Mass.
Ryan-McDonald Mfg. Co., Waterloo, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

A. BARGE WINCHES. American Ship Windlass Co., Providence, R. I. *119
B. BOAT LOWERING WINCHES. American Ship Windlass Co., Providence, R. I. *119
C. HORSE POWER CRABS. Knoxville Car Wheel Co., Knoxville, Tenn.
D. SAFETY CRABS. Yale & Towne Mfg. Co., Stamford, Conn.

1081. WINDLASSES. American Ship Windlass Co., Providence, R. I. *119
Thos. Carlin's Sons, Allegheny, Pa.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Globe Iron Works Co., Center & Spruce Sts., Cleveland, O.
Thos. Laughlin & Son, Portland, Me.
Pacific Iron Works, San Francisco, Cal.
Providence Steam Engine Co., Providence, R. I.
Albert Russell & Sons, Newburyport, Mass.

METAL WORKING.

1082. AXE MACHINERY. Birmingham Iron Foundry, Birmingham, Conn.
Mohawk & Hudson Mfg. Co., Waterford, N. Y.

1083. BENDING MACHINES. Fulton Iron & Engine Works, Detroit, Mich.
Hurlbut Mfg. Co., Racine Junction, Wis.
National Machinery Co., Tiffin, O. *129
Pittsburgh Mfg. Co., Pittsburgh, Pa.
Wiley & Russell Mfg. Co., Greenfield, Mass.
Williams, White & Co., Moline, Ill.

A. PLATE BENDING ROLLS. Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Works, Wilmington, Del.
Dickson Mfg. Co., Scranton, Pa.
Hilles & Jones, Wilmington, Del.
Niles Tool Works, Hamilton, O. *180-9
Oil City Boiler Works, Oil City, Pa.

1084. BOILER SHOP MACHINERY.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Niles Tool Works, Hamilton, O. *180-9
Walker Mfg. Co., Cleveland, O.

1085. BOLT MACHINERY. Acme Machinery Co., Cleveland, O. *123
American Bolt Co., Lowell, Mass.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Bridgeport Machine Tool Works, Bridgeport, Conn.
Gould & Eberhardt, Newark, N. J.
Howard Iron Works, Buffalo, N. Y.
Jones & Lamson Machine Co., Springfield, Vt. *122
National Machinery Co., Tiffin, O. *129
Nicholson & Waterman Mfg. Co., Providence, R. I.
Niles Tool Works, Hamilton, O. *180-9
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Mfg. Co., Pittsburgh, Pa.
Pratt & Whitney Co., Hartford, Conn.
J. H. Sternbergh & Son, Reading, Pa.
Williams, White & Co., Moline, Ill.

A. BOLT CLIPPERS. Chambers Bros. Co., N. 52d St. & Lancaster Av., Phila., Pa.
H. K. Porter, 66 Beverly St., Boston, Mass.
Wiley & Russell Mfg. Co., Greenfield, Mass.

B. BOLT CUTTER HOBS. S. W. Card & Co., Mansfield, Mass.

	Putnam Machine Co., Fitchburg, Mass.	
	Wells Bros. & Co., Greenfield, Mass.	
C. BOLT CUTTERS.	Acme Machinery Co., Cleveland, O.	*123
	H. B. Brown & Co., E. Hampton, Conn.	
	Chambers Bros. Co., N. 52d St. & Lancaster Av., Phila., Pa.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	Howard Iron Works, Buffalo, N. Y.	
	National Machinery Co., Tiffin, O.	*129
	New Haven Mfg. Co., New Haven, Conn.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pratt & Whitney, Hartford, Conn.	
	Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Wells Bros. & Co., Greenfield, Mass.	
	Wiley & Russell Mfg. Co., Greenfield, Mass.	
D. BOLT FORGING MACHINES.	Acme Machinery Co., Cleveland, O.	*123
	S. C. Forsaith Machine Co., Manchester, N. H.	
	National Machinery Co., Tiffin, O.	*129
	Providence Steam Engine Co., Providence, R. I.	
	Williams, White & Co., Moline, Ill.	
E. BOLT HEADERS.	Acme Machinery Co., Cleveland, O.	*123
	S. C. Forsaith Machine Co., Manchester, N. H.	
	McMyler Mfg. Co., Cleveland, O.	
	National Machinery Co., Tiffin, O.	*129
	Niles Tool Works, Hamilton, O.	*180–9
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
	Wells Bros. & Co., Greenfield, Mass.	
F. BOLT POINTERS.	Acme Machinery Co., Cleveland, O.	*123
	National Machinery Co., Tiffin, O.	*129
	Niles Tool Works, Hamilton, O.	*180–9
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	Pratt & Whitney Co., Hartford, Conn.	
	J. H. Sternbergh & Son, Reading, Pa.	
G. BOLT THREADERS.	Acme Machinery Co., Cleveland, O.	*123
	H. B. Brown & Co., E. Hampton, Conn.	
	National Machinery Co., Tiffin, O.	*129
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	Pratt & Whitney Co., Hartford, Conn.	
	D. Saunders' Sons, Yonkers, N. Y.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Wells Bros. & Co., Greenfield, Mass.	
H. BOLT UPSETTERS.	Acme Machinery Co., Cleveland, O.	*123
	Fulton Iron & Engine Works, Detroit, Mich.	
	National Machinery Co., Tiffin, O.	*129
	Pawtucket Mfg. Co., Pawtucket, R. I.	
	Wells Bros. & Co., Greenfield, Mass.	
I. BOLT HEAD SHAVERS.	National Machinery Co , Tiffin, O.	*129
J. EYE BOLT MACHINES.	Williams, White & Co., Moline, Ill.	

1086. BORING MACHINES, METAL.

A. BORING BARS.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
B. BORING MILLS, HORIZONTAL.	P. Blaisdell & Co., Worcester, Mass.	
	E. W. Bliss Co., 130 Front St., Brooklyn, N. Y.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
C. BORING & TURNING MACHINES, VERTICAL.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	
	Bridgeport Machine Tool Works, Bridgeport, Conn.	
	New Haven Mfg. Co., New Haven, Conn.	
	Niles Tool Works, Hamilton, O.	*180–9
D. BORING, TURNING & SLOTTING MACHINES, COMBINED.	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
E. CAR BOX BORING MACHINES.	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
F. CAR WHEEL BORING MACHINES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	

Lobdell Car Wheel Co., Wilmington, Del.
Niles Tool Works, Hamilton, O. *180-9
Pedrick & Ayer, 1001 Hamilton St. Philadelphia, Pa.
Putnam Machine Co., Fitchburg, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131

G. CHORD BORING MACHINES. Niles Tool Works, Hamilton, O. *180-9

H. CRANK BORING MACHINES. Niles Tool Works, Hamilton, O. *180-9

I. CYLINDER BORING MACHINES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Chas. C. Newton, N. 24th & Wood Sts., Philadelphia, Pa.
Nicholson & Waterman, Providence, R. I.
Niles Tool Works, Hamilton, O. *180-9
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.

J. PORTABLE BORING MACHINES. Stow Flexible Shaft Co., N. 26th & Callowhill Sts., Phila., Pa.

K. TURRET BORING MACHINES. Niles Tool Works, Hamilton, O. *180-9

L. UNIVERSAL BORING MACHINES. M. C. Henley, Richmond, Ind.

1087. BRASS WORKING MACHINERY.

Bridgeport Machine Tool Works, Bridgeport, Conn.
Jones & Lamson Machine Co., Springfield, Vt. *122
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Pratt & Whitney Co., Hartford, Conn.

A. BRASS WORKERS' TOOLS
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Gage Machine Works, Waterford, N. Y.

1088. BRIDGE WORK MACHINERY.

Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington. Del.
Niles Tool Works, Hamilton, O, *180-9

A. BRIDGE BUILDERS' TOOLS. Hills & Jones, Wilmington, Del.

1089. CAR BUILDERS' MACHINERY.

Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Egan Company, 232 W. Front St., Cincinnati, O. *178
Niles Tool Works, Hamilton, O. *180-9

1090. CAR LINK & PIN MACHINES.

National Machinery Co., Tiffin, O. *129

1091. CENTERING MACHINES.

New Haven Mfg. Co., New Haven, Conn.
Nicholson & Waterman Mfg. Co., Providence, R. I.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
D. E. Whiton Machine Co., New London, Conn.

A. BENCH CENTERS.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

1092. CHUCKING MACHINES.

Bridgeport Machine Tool Works, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Garvin Machine Co., 9 Laight St., New York.
Jones & Lamson Machine Co., Springfield, Vt. *122
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av. Cin., O.
Pond's Machine Mfrs'. Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.

1093. CUTLERY MACHINERY.

Hill Machine Works, Florence, Mass. *157

1094. CUTTING-OFF MACHINES.

Betts Machine Co., Wilmington, Del.
Nicholas & Waterman Mfg. Co., Providence, R. I.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

A. CUTTING-OFF TOOLS.
Pratt & Whitney Co., Hartford, Conn.
Dwight Slate Machine Co., Hartford, Conn.

1095. DIE SINKING MACHINES.

Pratt & Whitney Co., Hartford, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

1096. DRAW BENCH MACHINERY.

Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

A. HYDRAULIC DRAW BENCHES. Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

1097. DRILLING MACHINES.

A. AUTOMATIC DRILLS.
Betts Machine Co., Wilmington, Del.
Bickford Drill Co., Front & Pike Sts., Cincinnati, O.
Garvin Machine Co., 9 Laight St., New York.

	Hendey Machine Co., Torrington, Conn.	*125
	Joshua Hendy Machine Works, San Francisco, Cal.	
	Hilles & Jones, Wilmington, Del.	
	J. H. Hoague, Chicopee, Mass.	
	Niles Tool Works, Hamilton, O.	*180–9
	Norton & Jones Machine Tool Works, Plainville, Conn.	*124
	Pratt & Whitney Co., Hartford, Conn.	
	Prentice Bros., Worcester, Mass.	
	San Francisco Tool Co., San Francisco, Cal.	
	Dwight Slate Machine Co., Hartford, Conn.	
	Universal Radial Drill Co., 3d St. & Eggleston Av., Cincinnati, O.	
	Warner & Swasey, Cleveland, O.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
	Wells Bros. & Co., Greenfield, Mass.	
	Wiley & Russell Mfg. Co., Greenfield, Mass.	
B. ARCH BAR DRILLING MACHINES.	Niles Tool Works, Hamilton, O.	*180–9
C. BENCH DRILLS.	Garvin Machine Co., 9 Laight St., New York.	
	L. H. Olmsted, Hasbrouck Heights, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	Silver Mfg. Co., Salem, O.	*205
	Dwight Slate Machine Co., Hartford, Conn.	
	E. C. Stearns & Co., Syracuse, N. Y.	
D. BLACKSMITH DRILL PRESSES.	Buffalo Forge Co., Buffalo, N. Y.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Pratt & Whitney Co., Hartford, Conn.	
	Silver Mfg. Co., Salem, O.	*205
E. BOILER SHELL DRILLS.	Thos. H. Tallett & Co., N. 13th & Buttonwood Sts., Phila., Pa.	
F. BREAST DRILLS.	H. S. Bartholomew, Bristol, Conn.	
	Miller Falls Co., 93 Reade St., New York.	
	Seymour Smith & Son, Oakville, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
G. BUTT DRILLING MACHINES.	John Adt & Son, New Haven, Conn.	
H. COMBINED DRILL & TAPPING MACHINES.	Gould & Eberhardt, Newark, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
I. DRILLING & COUNTERSINKING MACHINES.	John Adt & Son, New Haven, Conn.	
J. DRILL PRESSES.	S. C. Forsaith Machine Co., Manchester, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	Gould & Eberhardt, Newark, N. J.	
	Hewes & Phillips Iron Works, Newark, N. J.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	New Haven Mfg. Co., New Haven, Conn.	
	Niles Tool Works, Hamilton, O.	*180–9
	John S. Oram, Cleveland, O.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	Potts & Weber, Lancaster, Pa.	
K. DRILLING MACHINES, ELECTRIC.	Edison Genl. Electric Co., Edison Bldg., Broad St., New York.	
	Sperry Elec. Min. Mach. Co., 39th St. & Stewart Av., Chicago, Ill.	
L. GOOSENECK DRILLS.	P. Blaisdell & Co., Worcester, Mass.	
	Putnam Machine Co., Fitchburg, Mass.	
M. HAND DRILLS.	Thos. H. Dallett & Co., N. 13th & Buttonwood Sts., Phila., Pa	
	Foos Mfg. Co., Springfield, O.	
	Miller's Falls Co., Miller's Falls, Mass.	
	Tinius Olsen & Co., 500 N. 2d St., Philadelphia, Pa.	
	Rutschman Bros., Berks St., near N. 5th St., Philadelphia, Pa.	
	Tower & Lyon, 95 Chambers St., New York.	
N. HORIZONTAL DRILLING MACHINES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	
	Niles Tool Works, Hamilton, O.	*180–9
O. LINK DRILLING MACHINES.	Putnam Machine Co., Fitchburg, Mass.	
P. MULTIPLE SPINDLE DRILLS.	Hendey Machine Co., Torrington, Conn.	*125
	Niles Tool Works, Hamilton, O.	*180–9
	Norton & Jones Machine Tool Works, Plainville, Conn.	*124
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
Q. PORTABLE DRILLS.	Thos. H. Dallett & Co., N. 13th & Buttonwood Sts., Phila., Pa.	
	Hardy Machine Co., Biddeford, Me.	
	Stow Mfg. Co., Binghamton, N. Y.	*240
R. PORTABLE POWER DRILLS.	Stow Flexible Shaft Co., Ltd., N. 26th & Callowhill St., Phila., Pa.	
	Stow Mfg. Co., Binghamton, N. Y.	*240
S. RADIAL DRILLS.	Betts Machine Co., Wilmington, Del.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	

	Putnam Machine Co., Fitchburg, Mass.	
	Universal Radial Drill Co., 3d St. & Eggleston Av., Cincinnati, O.	
T. RAIL DRILLS.	E. P. Dwight, 407 Library St., Philadelphia, Pa.	
	Industrial Works, Bay City, Mich.	
	Niles Tool Works, Hamilton, O.	*180–9
U. RATCHET DRILLS.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Billings and Spencer Co., Hartford, Conn.	*103
	Curtis & Curtis, Bridgeport, Conn.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Pratt & Whitney Co., Hartford, Conn.	
V. SELF-FEEDING DRILLS.	P. Blaisdell & Co., Worcester, Mass.	
	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	Garvin Machine Co., 9 Laight St., New York.	
	Sigourney Tool Co., Hartford, Conn.	*122
	Dwight Slate Machine Co., Hartford, Conn.	
W. SUSPENSION DRILLS.	S. C. Forsaith Machine Co., Manchester, N. H.	
	New Haven Mfg. Co., New Haven, Conn.	
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
X. TIRE DRILLS	Jas. L. Haven Co., 56 Plum St.	
Y. TRAVERSE DRILLS.	P. Blaisdell & Co., Worcester, Mass.	
	Fitchburg Machine Works, Fitchburg, Mass.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Putnam Machine Co., Fitchburg, Mass.	
Z. UPRIGHT DRILLS.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	P. Blaisdell & Co., Worcester, Mass.	
	Fay & Scott, Dexter, Me.	
	Garvin Machine Co., 9 Laight St., New York.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Lodge & Davis Machine Tool Co., 6th St., Eggleston Av., Cin., O.	
	New Haven Mfg. Co., New Haven, Conn.	
	Niles Tool Works, Hamilton, O.	*180–9
	Norton & Jones Machine Tool Works, Plainville, Conn.	*124
	L. H. Olmsted, Hasbrouck Heights, N. J.	
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Potts & Weber, Lancaster, Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	Prentice Bros., Worcester, Mass.	
	Putnam Machine Co., Fitchburg, Mass.	
	F. E. Reed, Worcester, Mass.	
	E. A. Schumacher, 28 Webster St., Cincinnati, O.	
	Sigourney Tool Co., Hartford, Conn.	*122
1098. DRILLS.	Billings & Spencer Co., Hartford, Conn.	*103
	Butterfield & Co., Derby Line, Vt	
	Cleveland Twist Drill Co., Cleveland, O.	
	Garvin Machine Co., 9 Laight St., New York.	
	J. H. Hoague, Chicopee, Mass.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	New Process Twist Drill Co., Taunton, Mass.	
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	Standard Tool Co., Cleveland, O.	
	Wiley & Russell Mfg. Co., Greenfield, Mass.	
A. BLACKSMITH DRILLS.	Cleveland Twist Drill Co., Cleveland, O.	
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	New Process Twist Drill Co., Taunton, Mass.	
	Silver Mfg. Co., Salem, O.	*205
	Standard Tool Co., Cleveland, O.	
B. DRILLS FOR RATCHETS.	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	New Process Twist Drill Co., Taunton, Mass.	
	Standard Tool Co., Cleveland, O.	
C. FLAT DRILLS.	Billings & Spencer Co., Hartford, Conn.	*103
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
D. INCREASE TWIST DRILLS	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	New Process Twist Drill Co., Taunton, Mass.	
	Putnam Machine Co., Fitchburg, Mass.	
	Standard Tool Co., Cleveland, O.	
E. SHANK DRILLS.	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	Standard Tool Co., Cleveland, O.	
F. STRAIGHTWAY DRILLS.	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	New Process Twist Drill Co., Taunton, Mass.	
G. TAP DRILLS.	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	New Process Twist Drill Co., Taunton, Mass.	
	Putnam Machine Co., Fitchburg, Mass.	
	Standard Tool Co., Cleveland, O.	
H. TWIST DRILLS.	Cleveland Twist Drill Co., Cleveland, O.	

Morse Twist Drill & Machine Co., New Bedford, Mass. *120
New Process Twist Drill Co., Taunton, Mass.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

1099. DRILL SOCKETS.
Cleveland Twist Drill Co., Cleveland, O.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
New Process Twist Drill Co., Taunton, Mass.
Standard Tool Co., Cleveland, O.

1100. FORCING MACHINES.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1101. FORGING & BENDING MACHINES.
Hurlbut Mfg. Co., Racine Junction, Wis.
National Machinery Co., Tiffin, O. *129
Williams, White & Co., Moline, Ill.

1102. GEAR CUTTING MACHINES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
P. Blaisdell & Co., Worcester, Mass.
Brainard Milling Machine Co., 156 Oliver St., Boston, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
S. C. Forsaith Machine Co., Manchester, N. H.
Garvin Machine Co., 9 Laight St., New York.
William Gleason, Rochester, N. Y.
Gould & Eberhardt, Newark, N. J.
Edwin Harrington, Son & Co., 15th St.& Penn. Av., Phila., Pa.
Hewes & Phillips Iron Works, Newark, N. J.
New Haven Mfg. Co., New Haven, Conn.
Pratt & Whitney Co., Hartford, Conn.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Putnam Machine Co., Fitchburg, Mass.
Sigourney Tool Co., Hartford, Conn. *122
Dwight Slate Machine Co., Hartford, Conn.
L. Spence, Martin's Ferry, O.
D. E. Whiton Machine Co., New London, Conn.

A. EPICYCLOIDAL CUTTERS.
Brown & Sharpe Mfg. Co., Providence, R. I.
Webster Herrick, Northampton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

B. INVOLUTE CUTTERS.
Brown & Sharpe Mfg. Co., Providence, R. I.
Webster Herrick, Northampton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

1103. HAMMER MACHINERY.
Globe Machine Works, Frankford, Philadelphia, Pa.

1104. HAMMERS, POWER.

A. DROP HAMMER LIFTERS.
Williams, White & Co., Moline, Ill.

B. DROP HAMMERS.
Belden Machine Co., New Haven, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
S. C. Forsaith Machine Co., Manchester, N. H.
Hill, Clarke & Co., 156 Oliver St., Boston, Mass.
Manning, Maxwell & Moore, 111 Liberty St., New York.
Merrill Bros., 465 Kent Av., Brooklyn, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Stiles & Parker Press Co., Middletown, Conn.
Williams, White & Co., Moline, Ill.

C. FOOT POWER HAMMERS.
Belden Machine Co., New Haven, Conn.
Capital City Machine Works, Columbus, O.

D. JUSTICE HAMMERS.
Williams, White & Co., Moline, Ill.

E. SPRING HAMMERS.
Belden Machine Co., New Haven, Conn.
Hurlbut Mfg. Co., Racine Junction, Wis.
Williams, White & Co., Moline, Ill.

F. STEAM HAMMERS.
Belden Machine Co., New Haven, Conn.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Bradley & Co., Syracuse, N. Y.
Cleveland Ship Building Co., Cleveland, O.
Richard Dudgeon, 24 Columbia St., New York.
S. C. Forsaith Machine Co., Manchester. N. H.
Knoxville Car Wheel Co., Knoxville, Tenn.
Manning, Maxwell & Moore, 111 Liberty St., New York.
Morgan Engineering Co., Alliance, O.
Niles Tool Works, Hamilton, O. *180–9
Wm. Sellers & Co., 1600 Hamilton St,, Philadelphia, Pa.
Southwalk Foundry Mach. Co., Wash. Av. & S.5th St.,Phila.,Pa.
Tretheway Mfg. Co., Pittsburgh, Pa.
Walker Mfg. Co., Cleveland, O.

G. TRIP HAMMERS, AIR CUSHION.
Bradley & Co., Syracuse, N. Y.
Merrill Bros., 465 Kent Av., Brooklyn, N. Y.

1105. HAMMER PARTS, POWER.
Belden Machine Co., New Haven, Conn.

Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.

1106. HATCHET MACHINERY.

Globe Machine Works, Frankford, Philadelphia, Pa.
Mohawk & Hudson Mfg. Co., Waterford, N. Y.

1107. KEY MAKING MACHINES.

Giant Key Seater Co., E. Saginaw, Mich.

1108. KEY SEATING MACHINES.

W. P. Davis, N. Bloomfield, N. Y.
Giant Key Seater Co., E. Saginaw, Mich.
I. E. Merritt Machinery Co., Lockport, N. Y.
Morton Mfg. Co., Romeo, Mich.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.

1109. LATHE ATTACHMENTS.

A. CENTERING ATTACHMENTS.
Dwight Slate Machine Co., Hartford, Conn.

B. CHUCK DRILL HOLDERS.
C. W. Le Count, S. Norwalk, Conn.
Wells Bros. & Co., Greenfield, Mass.

C. CHUCKING REAMER HOLDERS.
Billings & Spencer Co., Hartford, Conn. *103

D. FACE PLATE JAWS.
Cushman Chuck Co., Hartford, Conn.
Garvin Machine Co., 9 Laight St., New York.

E. LATHE DIE HOLDERS.
S. W. Card & Co., Mansfield, Mass.

F. LATHE FITTINGS.
Edward O. Chase, Newark, N. J.

G. PIT LATHE ATTACHMENTS.
Putnam Machine Co., Fitchburg, Mass.

H. SHAFTING RESTS.
Lathe & Morse Tool Co., Worcester, Mass.
New Haven Mfg. Co., New Haven, Conn.
Putnam Machine Co., Fitchburg, Mass

I. SHAFT STRAIGHTENING MACHINES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Fitchburg Machine Works, Fitchburg, Mass.
New Haven Mfg. Co., New Haven, Conn.
Niles Tool Works, Hamilton, O. *180-9
Putnam Machine Co., Fitchburg, Mass.

J. SHAFT TURNING ATTACHMENTS.
Gould & Eberhardt, Newark, N. J.
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Niles Tool Works, Hamilton, O. *180-9
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Putnam Machine Co., Fitchburg, Mass.

K. SLIDE RESTS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Edward O. Chase, Newark, N. J.
Cleveland Machine Works, Worcester, Mass.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 9 Laight St., New York.
Hendey Machine Co., Torrington, Conn. *125
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.

L. TAPER TURNING ATTACHMENTS.
Hendey Machine Co., Torrington, Conn. *125
Lodge & Davis Mach. Tool Co. 6th St. & Eggleston Av., Cin., O.
New Haven Mfg. Co., New Haven, Conn.
Pratt & Whitney Co., Hartford, Conn.

1110. LATHE CHUCKS.

R. H. Brown & Co., New Haven, Conn.
Cushman Chuck Co., Hartford, Conn.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 9 Laight St., New York.
Gould & Eberhardt, Newark, N. J.
J. H. Hoague, Chicopee, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
E. Horton & Son, Windsor Locks, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
New Haven Mfg. Co,, New Haven, Conn.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Skinner Chuck Co., New Britain, Conn.
Dwight Slate Machine Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.
Union Mfg. Co., New Britain, Conn. *124
Warner & Swasey, Cleveland, O.
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co., New London, Conn.

A. CAR WHEEL CHUCKS.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
E. Horton & Son Co., Windsor Locks, Conn.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Westcott Chuck Co., Oneida, N. Y.

B. COMBINED LATHE CHUCKS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Cushman Chuck Co., Hartford, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
E. Horton & Son Co., Windsor Locks, Conn.
Putnam Machine Co., Fitchburg, Mass.
Skinner Chuck Co., New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co., New London, Conn.

C. COMPOUND CIRCULAR CHUCKS.
Cushman Chuck Co., Hartford, Conn.
Gould & Eberhardt, Newark, N. J.

D. CUTTING OFF CHUCKS.
Cushman Chuck Co., Hartford, Conn.
E. Horton & Son Co., Windsor Locks, Conn.
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co., New London, Conn.

E. DRILL CHUCKS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
R. H. Brown & Co., New Haven, Conn.
Cushman Chuck Co., Hartford, Conn.
Garvin Machine Co., 9 Laight St., New York.
J. H. Hoague, Chicopee, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
E. Horton & Son Co., Windsor Locks, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Putnam Machine Co., Fitchburg, Mass.
Skinner Chuck Co., New Britain, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.
Union Mfg. Co., New Britain, Conn. *124
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co , New London, Conn.

F. ECCENTRIC LATHE CHUCKS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Cushman Chuck Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.

G. INDEPENDENT JAWED CHUCKS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Cushman Chuck Co., Hartford, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Putnam Machine Co., Fitchburg, Mass.
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co., New London, Conn.

H. JEWELLERS' DRILL CHUCKS.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120

I. PLANET CHUCKS.
Cushman Chuck Co., Hartford, Conn.
F. E. Reed, Worcester, Mass.

J. SELF-CENTERING CHUCKS.
Cushman Chuck Co., Hartford, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co., New London, Conn.

K. TURRET LATHE CHUCKS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Cushman Chuck Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Standard Tool Co., Cleveland, O.
Westcott Chuck Co., Oneida, N. Y.

L. UNIVERSAL LATHE CHUCKS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Cushman Chuck Co., Hartford, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
E. Horton & Son Co., Windsor Locks, Conn.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Putnam Machine Co., Fitchburg, Mass.
Westcott Chuck Co., Oneida, N. Y.
D. E. Whiton Machine Co., New London, Conn.

1111. LATHE DOGS.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Billings & Spencer Co., Hartford, Conn. *103
Bonney Vise & Tool Works, 3015 Chestnut St., Philadelphia, Pa.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
C. W. Le Count, S. Norwalk, Conn.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
J. H. Williams & Co., 9 Richard St., Brooklyn, N. Y.

1112. LATHES.

A. AXLE LATHES.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Defiance Machine Works, Defiance, O.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 9 Laight St., New York.
New Haven Mfg. Co., New Haven, Conn.

	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J,	
	Putnam Machine Co., Fitchburg, Mass.	
	Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
B. BENCH LATHES.	Faneuil Watch Tool Co., 474 Washington St., Boston, Mass.	
	Garvin Machine Co., 9 Laight St., New York.	
	Hendey Machine Co., Torrington, Conn.	*125
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Dwight Slate Machine Co., Hartford, Conn.	
C. BOLT LATHES.	Nicholson & Waterman Mfg. Co., Providence, R. I.	
D. BRASS FINISHERS' LATHES.	American Tool & Machine Co., 84 Kingston St., Boston, Mass.	
	Bridgeport Machine Tool Works, Bridgeport, Conn.	
	Hendey Machine Co., Torrington, Conn.	*125
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	P. Pryibil, 512 W. 41st St., New York.	*152
	F. E. Reed, Worcester, Mass.	
E. CAR WHEEL LATHES.	Niles Tool Works, Hamilton, O.	*180–9
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Wm. Sellers & Co., 1600 Hamilton Av., Philadelphia, Pa.	
F. CHUCKING LATHES.	P. Blaisdell & Co., Worcester, Mass.	
	Bridgeport Mach. Tool Works, Bridgeport, Conn.	
	Fitchburg Machine Works, Fitchburg, Mass.	
	Flather & Co., Nashua, N. H.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	Hendey Machine Co., Torrington, Conn.	*125
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	New Haven Mfg. Co., New Haven, Conn.	
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	F. E. Reed, Worcester, Mass.	
G. CORRUGATING LATHES.	Cincinnati Corrugating Co., Piqua, O.	
H. CRANK PIN LATHES.	American Tool & Mach. Co., 84 Kingston St., Boston, Mass.	
I. CUTTING OFF LATHES.	Hendey Machine Co., Torrington, Conn.	*125
	Hulbert & Rogers, S. Ludbury, Mass.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
J. DRILL LATHES.	P. Blaisdell & Co., Worcester, Mass.	
	Diamond Machine Co., Providence, R. I.	
	Fay & Scott, Dexter, Me.	
	Flather & Co., Nashua, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	Hendey Machine Co., Torrington, Conn.	*125
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
K. DRIVING WHEEL LATHES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	
	Niles Tool Works, Hamilton, O.	*180–9
	Putnam Machine Co., Fitchburg, Mass.	
L. ENGINE LATHES.	American Tool & Machine Co., 84 Kingston St., Boston, Mass.	
	W. F. & J. Barnes Co., 853 Ruby St., Rockford, Ill.	
	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	
	P. Blaisdell & Co., Worcester, Mass.	
	E. W. Bliss Co., 130 Front St., Brooklyn, N. Y.	
	Bridgeport Machine Tool Works, Bridgeport, Conn.	
	Brown & Sharpe Mfg. Co., Providence, R. I.	
	Fay & Scott, Dexter, Me.	
	G. W. Fifield, Lowell, Mass.	
	Fitchburg Machine Works, Fitchburg, Mass.	
	Flather & Co., Nashua, N. H.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	William Gleason, Rochester, N. Y.	
	Gould & Eberhardt, Newark, N. J.	
	G. A. Gray & Co., 481 Sycamore St., Cincinnati, O.	
	Edwin Harrington, Son & Co., N. 15th St. & Penn. Av., Phila., Pa.	
	Hendey Machine Co., Torrington, Conn.	*125
	Hewes & Phillips Iron Works, Newark, N. J.	
	H. Johnson, Jr. & Co., 1422 Callowhill St., Philadelphia, Pa.	
	Lathe Morse Tool Co., Worcester, Mass.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	New Haven Mfg. Co., New Haven, Conn.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	

	Niles Tool Works, Hamilton, O.	*180–9
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	Prentice Bros., Worcester, Mass.	
	Putnam Machine Co., Fitchburg, Mass.	
	F. E. Reed, Worcester, Mass.	
	San Francisco Tool Co., San Francisco, Cal.	
	Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
	Willets Machine Co., Providence, R. I.	
M. ENGINE LATHES, FOOT POWER.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	New Haven Mfg. Co., New Haven, Conn.	
	Sebastian-May Co., 191 W. 2d St., Cincinnati, O.	
N. ENGINE LATHES, PRECISION.	Dwight Slate Machine Co., Hartford, Conn.	
O. GAP LATHES.	Putnam Machine Co., Fitchburg, Mass.	
P. GEOMETRIC LATHES.	Dickinson & Osborne, Belleville, N. J.	
Q. GRINDING LATHES.	Putnam Machine Co., Fitchburg, Mass.	
R. HAND LATHES.	P. Blaisdell & Co., Worcester, Mass.	
	Brown & Sharpe Mfg. Co., Providence, R. I.	
	Flather & Co., Nashua, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	Hendey Machine Co., Torrington, Conn.	*125
	Lathe & Morse Tool Co., Worcester, Mass.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	New Haven Mfg. Co., New Haven, Conn.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	Prentice Bros., Worcester, Mass.	
	F. E. Reed, Worcester, Mass.	
	Sigourney Tool Co., Hartford, Conn.	*122
	Wells Bros. Co., Greenfield, Mass.	
S. NUT TAPPING LATHES.	H. B. Brown & Co., E. Hampton, Conn.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
T. PULLEY BORING LATHES.	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	I. E. Merritt Machinery Co., Lockport, N. Y.	
	New Haven Mfg. Co., New Haven, Conn.	
U. PULLEY TURNING LATHES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Henley Machine Tool Works, Richmond, Ind.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	I. E. Merritt Machinery Co., Lockport, N. Y.	
	New Haven Mfg. Co., New Haven, Conn.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
	Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
V. ROLL-TURNING LATHES.	A. J. Sweeney & Son, Wheeling, W. Va.	*61
W. SCREW CUTTING LATHES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Bridgeport Machine Tool Works, Bridgeport, Conn.	
	Flather & Co., Nashua, N. H.	
	Garvin Machine Co., 9 Laight St., New York.	
	Hendey Machine Co., Torrington, Conn.	*125
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	New Haven Mfg. Co., New Haven, Conn.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Niles Tool Works, Hamilton, O.	*180–9
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
X. SHAFTING LATHES.	Niles Tool Works, Hamilton, O.	*180–9
Y. SPECIAL LATHES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
	Betts Machine Co., Wilmington, Del.	
	P. Blaisdell & Co., Worcester, Mass.	
	Bridgeport Machine Tool Works, Bridgeport, Conn.	
	Brown & Sharpe Mfg. Co., Providence, R. I.	
	Ferracute Machine Co., Bridgeton, N. J.	
	Fitchburg Machine Works, Fitchburg, Mass.	
	Flather & Co., Nashua, N. H.	
	Wm. Gleason, Rochester, N. Y.	
	Gould & Ebarhardt, Newark, N. J.	
	Hendey Machine Co., Torrington, Conn.	*125
	Jones & Lamson Machine Co., Springfield, Vt.	*122
	Lathe & Morse Tool Co., Worcester, Mass.	
	McMahon & Co., Worcester, Mass.	
	New Haven Mfg. Co., New Haven, Conn.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	Niles Tool Works, Hamilton, O.	*180–9
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	

Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Dwight Slate Machine Co., Hartford, Conn.

Z. SPEED LATHES.
P. Blaisdell & Co., Worcester, Mass.
Fay & Scott, Dexter, Me.
Fitchburg Machine Works, Fitchburg, Mass.
Flather & Co., Nashua, N. H.
Gage Machine Works, Waterford, N. Y.
Hendey Machine Co., Torrington, Conn. *125
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Sebastian-May Co., 191 W. 2d St., Cincinnati, O.
Wells Bros. & Co., Greenfield, Mass.

AA. SPINNING LATHES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
Flather & Co., Nashua, N. H.
Garvin Machine Co., 9 Laight St., New York.
Gould & Eberhardt, Newark, N. J.
Hendey Machine Co., Torrington, Conn. *125
Pratt & Whitney Co., Hartford, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

BB. TURRET LATHES.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Bridgeport Machine Tool Works, Bridgeport, Conn.
Fitchburg Machine Co., Fitchburg, Mass.
Flather & Co., Nashua, N. H.
Gage Machine Works, Waterford, N. Y.
Garvin Machine Co., 9 Laight St., New York.
Hendey Machine Co., Torrington, Conn. *125
Jones & Lamson Machine Co., Springfield, Vt. *122
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Pratt & Whitney Co., Hartford, Conn.
Warner & Swasey, Cleveland, O.

1113. LATHE TOOLS.
Atha Tool Co., Newark. N. J. *82
Bath Iron Works, Bath, Me.
Billings & Spencer Co., Hartford, Conn. *103
P. Blaisdell & Co., Worcester, Mass.
McFadden Co., 735 Market St., Philadelphia, Pa.
Meriden Machine Tool Co., Meriden, Conn.
Morse Twist Drill & M. Co., New Bedford, Mass. *120
Pratt & Whitney Co., Hartford, Conn.

A. CUTTING OFF TOOLS.
Billings & Spencer Co., Hartford, Conn. *103
Pratt & Whitney Co., Hartford, Conn.
Dwight Slate Machine Co., Hartford, Conn.

B. DIAMOND TURNING TOOLS.
Diamond Machine Co., Providence, R. I.
Geo. H. Eaton & Co., 8 N. Washington Av., Boston, Mass.
Tanite Co., Stroudsburg, Pa.
Waltham Emery Wheel Co., Waltham, Mass.

1114. MACHINE TOOLS.
J. B. Allfree Co., Indianapolis, Ind.
W. F. & J. Barnes Co., 853 Ruby St., Rockford, Ill.
Beaman & Smith, Providence, R. I.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
P. Blaisdell & Co., Worcester, Mass.
Bridgeport Machine Tool Works, Bridgeport, Conn.
Garvin Machine Co., 9 Laight St., New York.
William Gleason, Rochester, N. Y.
G. A. Gray Co., 477 Sycamore St., Cincinnati, O.
Edw. Harrington, Son & Co., N. 15th St., Penn. Av., Phila, Pa.
Hendey Machine Co., Torrington, Conn. *125
Hills & Jones, Wilmington, Del.
I. H. Johnson, Jr. & Co., 1422 Callowhill St., Philadelphia, Pa.
Jones & Lamson Machine Co., Springfield, Vt. *122
Lathe & Morse Tool Co., Worcester, Mass.
Lodge & Davis Machine Tool Co., 6th St., Eggleston Av., Cin., O.
Chas. C. Newton, N. 24th & Wood Sts., Philadelphia, Pa.
Niles Tool Works, Hamilton, O. *180-9
Norton & Jones Machine Tool Works, Plainville, Conn. *124
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Dwight Slate Machine Co., Hartford, Conn.
Warner & Swasey, Cleveland, O.
Whitcomb Mfg. Co., Worcester, Mass.

D. E. Whiton Machine Co., New London, Conn.

1115. MANDREL BLOCKS. Putnam Machine Co., Fitchburg, Mass.

1116. MILLING MACHINE ATTACHMENTS.

A. MILLING CUTTERS.
Brainard Milling Machine Co., 156 Oliver St., Boston, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., 9 Laight St., New York.
McFadden Co., 735 Market St., Philadelphia, Pa.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.

B. MILLING MACHINE VISES.
Brainard Milling Machine Co., 156 Oliver St., Boston, Mass.
Cincinnati Milling Mach. Co., 2d & Plum Sts., Cincinnati, O. *120
Garvin Machine Co., 9 Laight St., New York.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.

1117. MILLING MACHINES.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Beaman & Smith, Providence, R. I.
John Becker, 157 Pearl St., Boston, Mass.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Brainard Milling Machine Co., 156 Oliver St., Boston, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Mach. Co., 2d & Plum Sts., Cincinnati, O. *120
Davenport Foundry Mach. Co., Davenport, Iowa.
Geo. H. Eaton Co., 8 Mt. Washington Av., Boston, Mass.
Fay & Scott, Dexter, Me.
Fitchburg Machine Works, Fitchburg, Mass.
S. C. Forsaith Machine Co., Manchester, N. H.
Garvin Machine Co., 9 Laight St., New York.
Gould & Eberhardt, Newark, N. J.
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Chas. C. Newton, N. 24th & Wood Sts., Philadelphia, Pa.
Nicholson & Waterman Mfg. Co., Providence, R. I.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
F. D. Reed, Worcester, Mass.
Dwight Slate Machine Co., Hartford, Conn.
Warner & Swasey, Cleveland, O.
D. E. Whiton Machine Co., New London, Conn.

1118 NAIL MILL MACHINERY.
National Machinery Co., Tiffin, O. *129
Pittsburgh Mfg. Co., Pittsburgh, Pa.
A. J. Sweeney & Son, Wheeling, W. Va. *61
W. A. Sweetser, Brockton, Mass.

A. WIRE NAIL MACHINERY.
Birmingham Iron Foundry, Birmingham, Conn.
Blake & Johnson, Waterbury, Conn.
Brooklyn Wire Nail Co., 124 Freeman St., Brooklyn, N. Y.
National Machinery Co., Tiffin, O. *129
Stover Mfg. Co., Freeport, Ill.
W. A. Sweetser, Brockton, Mass.

1119. NUT MACHINES.
Acme Machinery Co., Cleveland, O. *123
American Bolt Co., Lowell, Mass.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Howard Iron Works, Buffalo, N. Y.
National Machinery Co., Tiffin, O. *129
Niles Tool Works, Hamilton, O. *180–9
Nicholson & Waterman Mfg. Co., Providence, R. I.
Pittsburgh Mfg. Co., Pittsburgh, Pa.
Pratt & Whitney Co., Hartford, Conn.
Providence Steam Engine Co., Providence, R. I.
Putnam Machine Co., Fitchburg, Mass.
D. Saunders' Sons, Yonkers, N. Y.
J. H. Sternbergh & Son, Reading, Pa.
Wells Bros. & Co., Greenfield, Mass.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1120. PICK MACHINERY. Birmingham Iron Foundry, Birmingham, Conn.

1121. PIPE MACHINES.
Curtis & Curtis, Bridgeport, Conn.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Jarecki Mfg. Co., Ltd., Erie, Pa.
Morris Tasker & Co., 224 S. 3d St., Philadelphia, Pa.
Mueller Mfg. Co., Decatur, Ill.
D. Saunders' Sons, Yonkers, N. Y.

A. HAND PIPE CUTTERS.
Belden Machine Co., New Haven, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.

Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.
Pancoast & Maule, 243 S. 3d St., Philadelphia, Pa.

B. PIPE CUTTING MACHINES.
Cox & Sons, 204 N. 4th St., Philadelphia, Pa.
Curtis & Curtis, Bridgeport, Conn.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
S. C. Forsaith Machine Co., Manchester, N. H.
Hart Mfg. Co., Cleveland, O.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
D. Saunders' Sons, Yonkers, N. Y.

C. PIPE THREADING MACHINES.
American Tube & Iron Co., Youngstown, Pa.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Cox & Sons, 204 N. 4th St., Philadelphia, Pa.
Curtis & Curtis, Bridgeport, Conn.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
S. C. Forsaith Machine Co., Manchester, N. H.
Hillard, Sterrit & Co., Ltd., Pittsburgh, Pa.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
D. Saunders' Sons, Yonkers, N. Y.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1122. PLANERS, METAL.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
P. Blaisdell & Co., Worcester, Mass.
Betts Machine Co., Wilmington, Del.
Defiance Machine Works, Defiance, O.
Detrick & Harvey Machine Co., Baltimore, Md.
J. A. Fay & Co., Cincinnati, O.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 9 Laight St., New York.
Wm. Gleason, Rochester, N. Y.
Gould & Eberhardt, Newark, N. J.
G. A. Gray Co., 481 Sycamore St., Cincinnati, O.
Edw. Harrington, Son & Co., N. 15th St. & Penn. Av., Phila., Pa.
Hendey Machine Co., Torrington, Conn. *125
Joshua Hendy Machine Works, San Francisco, Cal.
Hewes & Phillips Iron Works, Newark, N. J.
Hilles & Jones, Wilmington, Del.
Lathe & Morse Tool Co., Worcester, Mass.
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
McHose & Lyon Co., Dayton, O.
New Haven Mfg. Co., New Haven, Conn.
Chas. C. Newton, N. 24th & Wood Sts., Philadelphia, Pa.
Niles Tool Works, Hamilton, O. *180-9
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Pond's Mach. Mfrs.' Tool Co., Plainfield, N. J.
Post & Co., 217 W. 4th St., Cincinnati, O.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros., Worcester, Mass.
P. Pryibil, 524 W. 41st St., New York. *152
Putnam Machine Co., Fitchburg, Mass.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa
San Francisco Tool Co., San Francisco, Cal.
Whitcomb Mfg. Co., Worcester, Mass.

A. SWITCH & FROG PLANING MACHINES.
Niles Tool Works, Hamilton, O. *180-9

1123. PLANER CENTERS.
Betts Machine Co., Wilmington, Del.
Fay & Scott, Dexter, Me.
Fitchburg Machine Works, Fitchburg, Mass.
Garvin Machine Co., 9 Laight St., New York.
Hendey Machine Co., Torrington, Conn. *125
New Haven Mfg. Co., New Haven, Conn.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
F. E. Reed, Worcester, Mass.
Whitcomb Mfg. Co., Worcester, Mass.

A. INDEX CENTERS.
Cincinnati Milling Mach. Co., 2d & Plum Sts., Cincinnati, O. *120
Garvin Machine Co., 9 Laight St., New York.
Gould & Eberhardt, Newark, N. J.
Kempsmith Machine Tool Co., Milwaukee, Wis.

1124. PLANER CHUCKS.
Betts Machine Co., Wilmington, Del.
Fitchburg Machine Works, Fitchburg, Mass.
Hendey Machine Co., Torrington, Conn. *125
Lathe & Morse Tool Co., Worcester, Mass.
New Haven Mfg. Co., New Haven, Conn.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Pratt & Whitney Co., Hartford, Conn.
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.

Putnam Machine Co., Fitchburg, Mass.

1125. PLANER TOOLS.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Hendey Machine Co., Torrington, Conn. *125
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Whitcomb Mfg. Co., Worcester, Mass.

1126. PRESSES.

A. BROACHING PRESSES.
Pratt & Whitney Co., Hartford, Conn.
Whitcomb Mfg. Co., Worcester, Mass.

B. CAR WHEEL PRESSES.
Richard Dudgeon, 24 Columbia St., New York.
Ferracute Machine Co., Bridgeton, N. J.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Putnam Machine Co., Fitchburg, Mass.
Watson & Stillman, 204 E. 43d St., New York.

C. CRANK PIN PRESSES.
Richard Dudgeon, 24 Columbia St., New York.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Watson & Stillman, 204 E. 43d St., New York.

D. DROP PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Ferracute Machine Co., Bridgeton, N. J.
Gould & Eberhardt, Newark, N. J.
Miner & Peck Mfg. Co., New Haven, Conn.
Pierce & Noble, Newark, N. J.
Pratt & Whitney Co., Hartford, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Stiles & Parker Press Co., Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., Moline, Ill.

E. HYDROSTATIC WHEEL PRESSES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Niles Tool Works, Hamilton, O. *180–9
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.

F. PUNCHING PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Ferracute Machine Co., Bridgeton, N. J.
E. M. Lang & Co., Portland, Me.
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
National Machinery Co., Tiffin, O. *129
Pratt & Whitney Co., Hartford, Conn.
Stiles & Parker Press Co., Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson & Stillman, 204 E. 43d St., New York.
Whitcomb Mfg. Co., Worcester, Mass.
Wiley & Russell Mfg. Co., Greenfield, Mass.
Williams, White & Co., Moline, Ill.

G. SHEARING PRESSES.
Buffalo Forge Co., Buffalo., N. Y.
National Machinery Co., Tiffin, O. *129
Pratt & Whitney Co., Hartford, Conn.
Watson & Stillman, 204 E. 43d St., New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Whitcomb Mfg. Co., Worcester, Mass.

1127. PRESS DIES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Boston Die Co., 17 Chardon St., Boston, Mass.
Glines & Holmes Mfg. Co., Bridgeport, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Miner & Peck Mfg. Co., New Haven, Conn.
Niagara Stamping & Tool Co., Buffalo, N. Y.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

1128. PROFILING MACHINES.
Garvin Machine Co., 9 Laight St., New York.
Pratt & Whitney Co., Hartford, Conn.

1129. PULLEY BALANCING MACHINES.
Defiance Machine Works, Defiance, O.

1130. PUNCHING MACHINES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa,
Birmingham Iron Foundry, Birmingham, Conn.
Helles & Jones Co., Wilmington, Del.
Hurlbut Mfg. Co., Racine Junction, Wis.
Long & Allstatter Co., Hamilton, O.
Niles Tool Works, Hamilton, O. *180–9
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Watson & Stillman, 204 E. 43d St., New York.
Witcomb Mfg. Co., Worcester, Mass.

A. HYDRAULIC PUNCHES.
Richard Dudgeon, 24 Columbia St., New York.
Long & Allstatter Co., Hamilton, O.

Niles Tool Works, Hamilton, O. *180-9
Watson & Stillman, 204 E. 43d St., New York.

B. RAIL PUNCHING MACHINES.
Dickson Mfg. Co , Scranton Pa.
S. C. Forsaith Mach. Co., Manchester, N. H.
Whitcomb Mfg. Co., Worcester, Mass.

C. SPIRAL SHEAR PUNCHES.
Pratt & Whitney Co., Hartford, Conn.

1131. PUNCHES & SHEARS.

A. HAND PUNCHES & SHEARS.
Capital City Machine Works, Columbus, O.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Williams, White & Co., Moline, Ill.

B. POWER PUNCHES & SHEARS.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Birmingham Iron Foundry, Birmingham, Conn.
G. D. Colton & Co., Galesburg, Ill.
Richard Dudgeon, 24 Columbia St., New York.
Ferracute Machine Co., Bridgeton, N. J.
Hilles & Jones, Wilmington, Del.
Long & Allstatter Co., Hamilton, O.
Niles Tool Works, Hamilton, O. *180-9
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Stiles & Parker Press Co., Middletown, Conn.
Watson & Stillman, 204 E. 43d St., New York.
Williams, White & Co., Moline, Ill.
Whiting Mfg. Co., Worcester, Mass.
Whitcomb Mfg. Co., Worcester, Mass.

1132. RACK CUTTERS.

Gould & Eberhardt, Newark, N. J.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Dwight Slate Machine Co., Hartford, Conn.

A. RACK CHUCKS.
Putnam Machine Co., Fitchburg, Mass.

1133. RAIL MACHINES.

A. RAIL BENDING MACHINES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.

B. RAIL CUTTING MACHINES.
Industrial Works, Bay City, Mich.

C. RAIL SAWING MACHINES, HYDRAULIC.
Dickson Mfg. Co., Scranton, Pa.

D. RAIL STRAIGHTENING MACHINES, HYDRAULIC.
Dickson Mfg. Co., Scranton, Pa.
Industrial Works, Bay City, Mich.

1134. RAILROAD SHOP MACHINERY.

Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Bridgeport Machine Tool Works, Bridgeport, Conn.
Hendey Machine Co., Torrington, Conn. *125
Niles Tool Works, Hamilton, O. *180-9

1135. REAMING MACHINES.

Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.

A. PORTABLE REAMING MACHINES.
Stow Flexible Shaft Co., Ltd., N. 26th & Callowhill Sts., Phila, Pa.

1136. RIFLING MACHINES, FIRE ARMS.

Colt's Patent Fire Arms Co., Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.

1137. RIVET MACHINES.

Blake & Johnson, Waterbury, Conn.
Pittsburgh Mfg. Co., Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

A. RIVET CLIPPERS.
Chambers Bros. & Co., N. 52d St. & Lancaster Av., Phila., Pa.
Wiley & Russell Mfg. Co., Greenfield, Mass.

B. RIVET HEADERS.
McMyler Mfg. Co., Cleveland, O.
National Machinery Co., Tiffin, O. *129

C. TUBULAR RIVET MACHINES.
Blake & Johnson, Waterbury, Conn.
Tubular Rivet Co., 55 Lincoln St., Boston, Mass.

1138. RIVETING MACHINES.

John Adt & Son, New Haven, Conn.
Ferracute Machine Co., Bridgeton, Conn.
Hilles & Jones, Wilmington, Del.
Standard Rivet Co., 105 Summer St., Boston, Mass. *244

A. HYDRAULIC RIVETERS.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Richard Dudgeon, 24 Columbia St., New York.
Morgan Engineering Co., Alliance, O.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Watson & Stillman, 204 E. 43d St., New York.

B. STEAM RIVETING MACHINES.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Morgan Engineering Co., Alliance, O.
Niles Tool Works, Hamilton, O. *180-9
Providence Steam Engine Co., Providence, R. I.
Pusey & Jones Co., Wilmington, Del.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.

1139. ROLL GROOVING MACHINES.

Pratt & Whitney Co., Hartford, Conn.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

1140. ROLLING MILL MACHINERY.

Birmingham Iron Foundry, Birmingham, Conn.
Dickson Mfg. Co., Scranton, Pa.
Lebanon Mfg. Co., Lebanon, Pa.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Jas. Moore, N. 16th & Buttonwood Sts., Philadelphia, Pa.
Morgan Engineering Co., Alliance, O.
New Albany Rail Mill Co., New Albany, Ind.
Phœnix Iron Co., Trenton, N. J.
Reading Iron Co., Reading, Pa.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Southwark Fdry. & Mach. Co., Washn. Av. & S. 5th St., Phila., Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

A. BOILER PLATE ROLLS. Johnson Foundry Co., Johnstown, Pa.
Whitcomb Mfg. Co., Worcester, Mass.

B. BRASS ROLLING MILLS. Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

C. COPPER ROLLING MILLS. Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

D. LEAD ROLLING MACHINES. Putnam Machine Co., Fitchburg, Mass.

E. RAIL MILLS. Birmingham Iron Foundry, Birmingham, Conn.
Dickson Mfg. Co., Scranton, Pa.

F. SHEET METAL ROLLING MILLS. Stiles & Parker Press Co., Middleton, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

G. SPECIAL ROLLING MILL MACHINES. Birmingham Iron Foundry, Birmingham, Conn.

1141. ROLLING MILL TOOLS. S. Tretheway & Co., Pittsburgh, Pa.

1142. RUMBLING MILLS. Brown & Sharpe Mfg. Co., Providence, R. I.
Walker Mfg. Co., Cleveland, O.
Waterbury Machine Co., Waterbury, Conn.

1143. SCRAPING MACHINES, METAL.

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

1144. SCREW MACHINES. E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Bridgeport Machine Tool Works, Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
S. C. Forsaith Mach. Co., Manchester, N. H.
Garvin Machine Co., 9 Laight St., New York.
Jones & Lamson Machine Co., Springfield, Vt. *122
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Niles Tool Works, Hamilton, O. *180–9
Pratt & Whitney Co., Hartford, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Warner & Swasey, Cleveland, O.
Wiley & Russell Mfg. Co., Greenfield, Mass.

A. SCREW MACHINE CHUCKS. Garvin Machine Co., 9 Laight St., New York.
Jones & Lamson Machine Co., Springfieid, Vt. *122
New Haven Mfg. Co., New Haven, Conn.
Putnam Machine Co., Fitchburg, Mass.

B. SCREW MACHINE TURRETS. Bridgeport Machine Tool Works, Bridgeport, Conn.
Jones & Lamson Machine Co., Springfield, Vt. *122
Warner & Swasey, Cleveland, O.

C. SCREW POLISHING MACHINES. Brown & Sharpe Mfg. Co., Providence, R. I.

D. SCREW SLOTTING MACHINES. Brown & Sharpe Mfg. Co., Providence, R. I.
Garvin Machine Co., 9 Laight St., New York.
Pratt & Whitney Co., Hartford, Conn.
Dwight Slate Machine Co., Hartford, Conn.

1145. SCREW PLATE MACHINES.

Jarecki Mfg. Co., Ltd., Erie, Pa.

1146. SHAPERS. Battle Creek Machinery Co., Battle Creek, Mich.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Bridgeport Machine Tool Works, Bridgeport, Conn.
Detrick & Harvey Machine Co., Baltimore, Md.
Fay & Scott, Dexter, Me.
S. C. Forsaith Mach. Co., Manchester, N. H.
Garvin Machine Co., 9 Laight St., New York.
Gould & Eberhardt, Newark, N. J.
Hendey Machine Co., Torrington, Conn. *125
Joshua Hendy Machine Works, San Francisco, Cal.
Hewes & Phillips Iron Works, Newark, N. J.
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin. O.
New Haven Mfg. Co., New Haven, Conn.
Chas. C. Newton, N. 24th & Wood Sts., Philadelphia, Pa.
Niles Tool Works, Hamilton, O. *180–9
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Post & Co., 217 W. 4th St., Cincinnati, O.
Pratt & Whitney Co., Hartford, Conn.

Putnam Machine Co., Fitchburg, Mass.
San Francisco Tool Co., San Francisco, Cal.

A. COG SHAPING TOOLS. Putnam Machine Co., Fitchburg, Mass.

B. JOURNAL BOX SHAPING MACHINE. Chas. Newton, N. 24th & Wood Sts., Philadelphia, Pa.

C. SHAPER ATTACHMENTS. Gould & Eberhardt, Newark, N. J.
Hendey Machine Co., Torrington, Conn. *125

D. SHAPER CHUCKS. Hendey Machine Co., Torrington, Conn. *125
Putnam Machine Co., Fitchburg, Mass.

1147. SHEARS, METAL.
Betts Machine Co., Wilmington, Del.
Birmingham Iron Foundry, Birmingham, Conn.
Fulton Iron & Engine Works, Detroit, Mich.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Taplin, Rice & Co., Akron, O.
Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.
Walker Mfg. Co., Cleveland, O.

A. ALLIGATOR SHEARS. Dickson Mfg. Co., Scranton, Pa.
National Machinery Co., Tiffin, O. *129

B. FOOT SHEARS. E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
National Machinery Co., Tiffin, O. *129
Stiles & Parker Press Co., Middletown, Conn.

C. HAND SHEARS. Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson & Stillman, 204 E. 43d St., New York.

D. POWER SHEARS. E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Long & Allstatter Co., Hamilton, O.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Niagara Stamping & Tool Co., Buffalo, N. Y.
Niles Tool Works, Hamilton, O. *180–9
Pratt & Whitney Co., Hartford, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Stiles & Parker Press Co., Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson & Stillman, 204 E. 43d St., New York.
Williams, White & Co., Moline, Ill.

1148. SHIP YARD MACHINERY.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Niles Tool Works, Hamilton, O. *180–9
Jas. Rees, Pittsburgh, Pa.
Shook-Anderson Mfg. Co., Pittsburgh, Pa.

1149. SLITTING MACHINES. Blake & Johnson, Waterbury, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
National Machinery Co., Tiffin, O. *129
Oil City Boiler Works, Oil City, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

1150. SLOTTING MACHINES. Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Garvin Machine Co., 9 Laight St., New York.
Gould & Eberhardt, Newark, N. J.
Joshua Hendy Machine Works, San Francisco, Cal.
Hewes & Phillips Iron Works, Newark, N. J.
New Haven Mfg. Co., New Haven, Conn.
Chas. C. Newton, N. 24th & Wood Sts., Philadelphia, Pa.
Niles Tool Works, Hamilton, O. *180–9
Pond's Machine Mfrs.' Tool Co., Plainfield, N. J.

A. SLOTTING & PARING MACHINES. Putnam Machine Co., Fitchburg, Mass.

1151. SPIKE MACHINES. National Machinery Co., Tiffin, O. *129
Pittsburgh Mfg. Co., Pittsburgh, Pa.

1152. SPRUE CUTTERS. John Adt & Son, New Haven, Conn.

1153. SQUEEZERS. Birmingham Iron Foundry, Birmingham, Conn.
Granger Foundry & Machine Co., Providence, R. I.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.

1154. STEAM FORGE MACHINERY.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Morgan Engineering Co., Alliance, O.
Niles Tool Works, Hamilton, O. *180–9

1155. STOVE ROD UPSETTERS.
National Machinery Co., Tiffin, O. *129

1156. STRAIGHTENING MACHINES, METAL.
Blake & Johnson, Waterbury, Conn.
Niles Tool Works, Hamilton, O. *180-9
Pittsburgh Mfg. Co., Pittsburgh, Pa.

	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
1157. TACK MACHINES.	W. A. Sweetser, Brockton, Mass.	
1158. TAPPING MACHINES.	Brass & Iron Works Co., Fostoria, O.	
	Brown & Sharpe Mfg. Co., Providence, R. I.	
	Garvin Machine Co., 9 Laight St., New York.	
	H. Mueller Mfg. Co., Decatur, Ill.	
	Oil City Boiler Works, Oil City, Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	D. Saunders' Sons, Yonkers, N. Y.	
A. AUTOMATIC TAPPING MACHINES.	Garvin Machine Co., 9 Laight St., New York.	
	Gould & Eberhardt, Newark, N. J.	
B. PORTABLE TAPPING MACHINES.	Stow Flexible Shaft Co., Ltd., N. 26th & Callowhill Sts., Phila., Pa.	
1159. THREADING MACHINES.		
	D. Saunders' Sons, Yonkers, N. Y.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
A. THREADING TOOLS.	Billings & Spencer Co., Hartford, Conn.	*103
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	Pratt & Whitney Co., Hartford, Conn.	
1160. TUBING MACHINES.	Birmingham Iron Foundry, Birmingham, Conn.	
1161. WASHER MACHINES.	National Machinery Co., Tiffin, O.	*129
1162. WELDING MACHINES.	Hurlburt Mfg. Co., Racine Junction, Wis.	
A. ELECTRIC WELDING APPARATUS.	Thomson Electric Welding Co., 89 State St., Boston, Mass.	

MINING.

1163. AGITATORS.	Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa.	*148
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Griffith & Wedge Co., Zanesville, O.	
	Pacific Iron Works, San Francisco, Cal.	
1164. AIR COMPRESSORS.	Edward P. Allis, Milwaukee, Wis.	
	Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.	
	Buffalo Steam Engine Works, Buffalo, N. Y.	
	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Burleigh Rock Drill Co., Fitchburg, Mass.	
	A. S. Cameron Steam Pump Works, 433 E. 23d St., New York.	
	James Clayton, 47 York St., Brooklyn, N. Y.	
	Colwell Iron Works, 27 Cortlandt St., New York.	
	Copeland & Bacon, 85 Liberty St., New York.	
	M. T. Davidson, 77 Liberty St., New York.	
	Delamater Iron Works, 21 Cortlandt St., New York.	
	Dickson Mfg. Co., Scranton, Pa.	
	P. P. Emery & Co., Springfield, Mass.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Fulton Iron Works, San Francisco, Cal.	
	W. F. Garratt & Co., San Francisco, Cal.	
	Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.	
	Gould & Garrison, Brooklyn, N. Y.	
	Gordon Steam Pump Co., Hamilton, O.	*188
	Guild & Garrison, 10th Av. & S. 10th St., Brooklyn, N. Y.	
	Hall Steam Pump Co., Allegheny, Pa.	
	Ingersoll & Sargeant, Rock Drill Co., 10 Park Place, New York.	
	Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.	
	Knowles Steam Pump Works, Warren, Mass.	
	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	Geo. R. Lombard & Co., Augusta, Ga.	
	S. L. Moore Sons Co., Elizabeth, N. J.	
	Morris County Machine & Iron Co., Dover, N. J.	
	Norwalk Iron Works Co., S. Norwalk, Conn.	
	Paige Mfg. Co., Painesville, O.	*130
	Parke & Lacy Co., San Francisco, Cal.	
	Rand Drill Co., 23 Park Place, New York.	*218
	Reading Iron Co., Reading, Pa.	
	Risdon Iron & Locomotive Works, San Francisco, Cal.	
	B. F. Sturtevant Co. 34 Oliver St., Boston, Mass.	
	Utah & Montana Machinery Co., Salt Lake City, Utah.	
1165. AIR RECEIVERS.	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Jas. Clayton, 47 York St., Brooklyn, N. Y.	
	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	Dickson Mfg. Co., Scranton, Pa.	
	Rand Drill Co., 23 Park Place, New York.	*218
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
1166. AMALGAMATORS.	Dickson Mfg. Co., Scranton, Pa.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Griffith & Wedge Co., Zanesville, O.	

Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

1167. AMALGAM RETORTS & CONDENSERS.

Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Ribon & March, Jersey City, N. J.

1168. AMALGAM SAFES.

Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Pacific Iron Works, San Francisco, Cal.
Ribon & March, Jersey City, N. J.

1169. CAGES, MINING.

M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Griffith & Wedge Co., Zanesville, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131

A. SAFETY CAGES.

Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Kenney & Co., Scottdale, Pa.
Lidgerwood Mfg., Co., 96 Liberty St., New York.
Litchfield Car & Machine Co., Litchfield, Ill.
Ottumwa Iron Works, Ottumwa, Iowa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1170. CARS, MINING.

Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Montour Iron & Steel Co., Danville, Pa.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
G. L. Stuebner & Co., Long Island City, N. Y.

A. AMALGAM CARS.

Beckett Foundry & Machine Co., Arlington, N. J.

1171. CHANNELING MACHINERY.

M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.

1172. COAL MACHINERY.

Belleville Pump & Skein Works, Belleville, Ill.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Ingersoll-Sergeant Rock Drill Co., 10 Park Place, New York.
Jeffrey Mfg. Co., Columbus, O.
Kenney & Co., Scottdale, Pa.
Ottumwa Iron Works, Ottumwa, Iowa.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Geo. D. Whitcomb, 175 Dearborn St., Chicago, Ill.

A. COAL BREAKERS.

Dickson Mfg. Co., Scranton, Pa.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Kenney & Co., Scottdale, Pa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. COAL BREAKER ROLLS.

Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. COAL COUNTING REGISTERS.

C. W. Hunt, New Brighton, N. Y.

D. COAL DISTRIBUTORS.

Ottumwa Iron Works, Ottumwa, Iowa.

E. COAL DUMPS.

Buffalo Scale Co., Buffalo, N. Y.
Benney & Co., Scottdale, Pa.
Litchfield Car & Machine Co., Litchfield, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

F. COAL WASHING MACHINERY.

Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Gordon, Strobel & Laureau, Ltd., Mifflin & Meadow Sts., Phila., Pa.
Jenkins & Lingle, Bellefonte, Pa.

1173. CORNISH ROLLS.

Beckett Foundry & Machine Co., Arlington, N. J.
Copeland & Bacon, 85 Liberty St., New York.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Ribon & March, Jersey City, N. J.

1174. CRUSHERS.

A. ORE BINS.

Birmingham Iron Foundry, Birmingham, Conn.
Copeland & Bacon, 85 Liberty St., New York.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fulton Iron Works, San Francisco, Cal.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. ORE CRUSHERS.

Edward P. Allis, Milwaukee, Wis.
American Mfg., Mining & Milling Co., Cleveland, O.
T. A. Blake, New Haven, Conn.

Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Copeland & Bacon, 85 Liberty St., New York.
Farrel Foundry & Machine Co., Ansonia, Conn.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Gates Iron Works, 46 S. Clinton St., Chicago, Ill.
Kenney & Co., Scottdale, Pa.
National Machinery Co., Tiffin, O. *129
Pacific Iron Works, San Francisco, Cal.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.

C. ORE CRUSHING DIES & SHOES.
Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.

D. ORE FEEDERS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Joshua Hendy Machine Works, San Francisco, Cal.

E. ORE GATES.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.

F. PORTABLE CRUSHERS.
Farrel Foundry & Machine Co., Ansonia, Conn.

G. PULVERIZERS.
American Mfg., Mining & Milling Co , Cleveland, O.
Ft. Scott Foundry & Machine Works, Ft. Scott, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Parke & Lacy Co., 21 Fremont St., San Francisco, Cal

H. ROCK SALT CRUSHERS.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works. Wilkes Barre, Pa. *131

I. ROCK & STONE CRUSHERS.
Edward P. Allis, Milwaukee, Wis.
American Mfg., Mining & Milling Co., Cleveland, O.
T. A. Blake, New Haven, Conn.
Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Farrel Foundry & Machine Co., Ansonia, Conn.
Fulton Iron Works, San Francisco, Cal.
Gates Iron Works, 46 S. Clinton St., Chicago, Ill.
Gray's Ferry Foundry & Boiler Co., Ltd., Ferry Rd., Phila., Pa.
Griffith & Wedge Co., Zanesville, O.
Knoxville Car Wheel Co., Knoxville, Tenn.
National Machinery Co., Tiffin, O. *129
Parke & Lacy Co., San Francisco., Cal.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.
Union Foundry Co., Rockaway, N. J.
Valk & Murdock Iron Works, Charleston, S. C.

1175. DRILLS, MINING.

A. COAL DRILLS, HAND.
Iwan Bros., Streator, Ill.

B. COAL DRILLS, POWER.
Jeffrey Mfg. Co., Columbus, O.

C. COMPRESSED AIR DRILLS.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Ingersoll-Sergeant Rock Drill Co., 10 Park Place, New York.
Morris County Machine & Iron Co., Dover, N. Y.
Rand Drill Co., 23 Park Place, New York. *218

D. DIAMOND DRILLS.
American Diamond Rock Boring Co., 15 Cortlandt St., New York.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.
Sullivan Machine Co., Claremont, N. H.

E. ELECTRIC DRILLS.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa. *257

F. PROSPECTING CORE DRILLS.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.

G. ROCK DRILLS.
American Diamond Rock Boring Co., 15 Cortlandt St., New York.
Buffalo Scale Co., Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Burleigh Rock Drill Co., Fitchburg, Mass.
Diamond Prospecting Co., 15 N. Clinton St., Chicago, Ill.
Howells Mining Drill Co., Plymouth, Pa.
Ingersoll-Sergeant Rock Drill Co., 10 Park Place, New York.
Wm. McCune & Co., Sterling, Ill.
Norwalk Iron Works, S. Norwalk, Conn.
Parke & Lacy Co., San Francisco, Cal.
Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Rand Drill Co., 23 Park Place, New York. *218

H STEAM DRILLS.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.

Morris County Machine & Iron Co., Dover, N. J.
Rand Drill Co., 23 Park Place, New York. *218

I. STONE DRILLS.
Collins Co., Collinsville, Conn.
Abner Doble Co., San Francisco, Cal.
H. H. Harvey, 116 High St., Boston, Mass.

1176. FURNACES, ORE SMELTING.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Griffith & Wedge Co., Zanesville, O.
Pacific Iron Works, San Francisco, Cal.

A. CHLORIDIZING FURNACES.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Pacific Iron Works, San Francisco, Cal.

B. CUPELLING FURNACES.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Pacific Iron Works, San Francisco, Cal.

C. REVOLVING ROASTING FURNACES.
Beckett Foundry & Machine Co., Arlington, N. J.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.

1177. HYDRAULIC NOZZLES.
Pacific Iron Works, San Francisco, Cal.

1178. INGOT EXTRACTORS.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Ribon & March, Jersey City, N. J.

1179. INGOT MOULDS.
Beckett Foundry & Machine Co., Arlington, N. J.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
S. Obermayer F. S. Mfg. Co., Evans S. of 8th St., Cin., O. *54

1180. MAGNETIC SEPARATORS.
Beckett Foundry & Machine Co., Arlington, N. J.

1181. MINE SKIPS.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1182. MINE VENTILATING FANS.
Belleville Pump & Skein Works, Belleville, Ill.
Belleville Stove Works, Belleville, Ill.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Crawford & McCrimmon, Brazil, Ind.
Dickson Mfg. Co., Scranton, Pa.
Kenney & Co., Scottdale, Pa.
Ottumwa Iron Works, Ottumwa, Iowa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1183. MINERAL EXTRACTORS.
Buffalo Scale Co., Buffalo, N. Y.

1184. MINERS' SUPPLIES.
James M. Everhart, Scranton, Pa.
Gilbert & Barker Mfg. Co., 90 John St., New York.
Ezra H. Linley, 714 N. 2d St., St. Louis, Mo.
Marinette Iron Works Co., Marinette, Wis.
L. M. Rumsey Mfg. Co., 806 N. 2d St., St. Louis, Mo.

1185. MINERS' TOOLS.
W. H. Anderson & Co., Detroit, Mich.
Beall Bros., Alton, Ill.
Carter & Co., Scranton, Pa.
Collins Co., Collinsville, Conn.
Columbus Mfg. Co., Columbus, O.
Detroit Steel & Spring Co., Detroit, Mich.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
H. H. Harvey, 116 High St., Boston, Mass.
Iwan Bros., Streator, Ill.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

1186. MINING MACHINES.
Edward P. Allis & Co., Milwaukee, Wis.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Copeland & Bacon, 85 Liberty St., New York.
Davenport Foundry & Machine Co., Davenport, Iowa.
James M. Everhart, Scranton, Pa.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Ingersoll-Sergeant Rock Drill Co., 10 Park Place, New York.
Jeffrey Mfg. Co., Columbus, O.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Mecklenburg Iron Works, Charlotte, N. C.
Morris County Machine & Iron Co., Dover. N. J.
Ottumwa Iron Works, Ottumwa, Iowa.
Pacific Iron Works, San Francisco, Cal.
Parke & Lacy Co., 21 Fremont St., San Francisco, Cal.

Rand Drill Co., 23 Park Place, New York. *218
Ribon & March, Jersey City, N. J.
St. Louis Iron & Machine Works, 1001 S. Main St., St. Louis, Mo.
William Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Union Iron Works, San Francisco, Cal.
Webster, Camp & Lane Machine Co., Akron, O. *258–61
Zehm & Bro., Kutztown, Pa.

A. ELECTRIC MINING MACHINES.
Edison Genl. Electric Co., Edison Bldg., Broad St., New York.
Sperry Elec. Mining Mach Co., 39th St. & Stewart Av., Chicago, Ill.

1187. ORE CONCENTRATORS.
Beckett Foundry & Machine Co., Arlington, N. J.
Buffalo Scale Co., Buffalo, N. Y.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
J. Hendy Machine Works, 39 Fremont St., San Francisco, Cal.
Parke & Lacy Co., San Francisco, Cal.
Ribon & March, Jersey City, N. J.

1188. ORE SETTLERS.
Beckett Foundry & Machine Co., Arlington, N. J.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Pacific Iron Works, San Francisco, Cal.
Ribon & March, Jersey City, N. J.

1189. ORE WASHERS.
Copeland & Bacon, 85 Liberty St., New York.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Jenkins & Lingle, Bellefonte, Pa.
Lebanon Mfg. Co., Lebanon, Pa.
Mecklenburg Iron Works, Charlotte, N. C.
Pennsylvania Bolt & Nut Co., Lebanon, Pa.

A. ORE JIGS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Jenkins & Lingle, Bellefonte, Pa.
Parke & Lacy Co., 21 Fremont St., San Francisco, Cal.

1190. PANS, MINING.

A. AMALGAMATING PANS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Pacific Iron Works, San Francisco, Cal.
Ribon & March, Jersey City, N. J.

B. COMBINATION PANS.
Beckett Foundry & Machine Co., Arlington, N. J.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.

C. GOLD PANS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

D. ORE PANS.
Thomas Carlin's Sons, Allegheny, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.

1191. PAN CONDENSERS.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.

1192. PROSPECTING MACHINES.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Morgan, Kelley & Taneyhill, Waterloo, Iowa.

1193. QUARRY MACHINERY.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Copeland & Bacon, 85 Liberty St., New York.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Ingersoll-Sergeant Rock Drill Co., 10 Park Place, New York.
Ottumwa Iron Works, Ottumwa, Iowa.
Rand Drill Co., 23 Park Place, New York. *218
Steam Stone Cutter Co., Rutland, Vt.

1194. RETORTS, MINING.
Beckett Foundry & Machine Co., Arlington, N. J.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Pacific Iron Works, San Francisco, Cal.

1195. REVOLVING DRYERS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Pacific Iron Works, San Francisco, Cal.

1196. SAFETY HOOKS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.

1197. SHAFT COLUMNS.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1198. SHAFT SAFEGUARDS.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1199. SIGNALS, MINE.

A. ELECTRIC MINE SIGNALS.
Pittsburgh Electric Co., Pittsburgh, Pa.

B. PNEUMATIC MINE SIGNALS,
Jas. M. Everhart, Scranton, Pa.

1200. SIZERS, ORE & COAL.
Robert Aitchison P. M. Co., 76 E. Van Buren St., Chicago, Ill.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Hendey & Meyer Engineering Co., Denver, Col.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1201. SLATE MACHINERY.

Belden Machine Co., New Haven, Conn.
Kehm & Bros., Kutztown, Pa.

1202. STAMP MILLS.

Edward P. Allis, Milwaukee, Wis.
Beckett Foundry & Machine Co., Arlington, N. J.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Geo. R. Lombard & Co., Augusta, Ga.
J. S. Mundy, Newark, N. J.
Pacific Iron Works, San Francisco, Cal.
Ribon & March, Jersey City, N. J.

A. QUARTZ MILLS.

Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Joshua Hendy Machine Works, San Francisco, Cal.
Marshutz & Cantrell, San Francisco, Cal.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

MOTIVE POWER.

1203. ARTESIAN WELL ENGINES.

American Well Works, Aurora, Ill.
Farrar & Trefts, Buffalo, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Struthers, Wells & Co., Warren, Pa.

1204. AUTOMATIC CUT-OFF STEAM ENGINES.

Ainslie, Cochran & Co., Louisville, Ky.
J. B. Allfree Co., Indianapolis, Ind.
Altoona Mfg. Co., Altoona, Pa.
Atlas Engine Works, Indianapolis, Ind. *134
Armington & Sims Engine Co., Providence, R. I.
Ball Engine Co., Erie, Pa.
Bay State Iron Works, Erie, Pa.
C. H. Brown & Co., Fitchburg, Mass.
Buckeye Engine Co., Salem, O.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Kimble Engine Co., Kalamazoo, Mich.
Erie City Iron Works, Erie, Pa. *140–7
Fitchburg Steam Engine Co., Fitchburg, Mass.
Frick Co., Waynesboro', Pa. *153
P. H. Glatfelter, Spring Forge, Pa.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Byron Jackson, San Francisco, Cal.
Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
McIntosh, Seymour & Co., Auburn, N. Y.
Mansfield Machine Works, Mansfield, O.
Morris Machine Works, Baldwinsville, N. Y.
Novelty Iron Works, Dubuque, Iowa.
John T. Noye Mfg. Co., Buffalo, N. Y.
B. W. Payne & Sons, Elmira, N. Y.
Phœnix Iron Co., Trenton, N. J.
Phœnix Iron Works Co., Meadville, Pa.
H. K. Porter & Co., Pittsburgh, Pa.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Isaac Pott & Co., Lebanon, Pa.
Providence Steam Engine Co., Providence, R. I.
Putnam Machine Co., Fitchburg, Mass.
Racine Hardware Mfg. Co., Racine, Wis.
San Francisco Tool Co., San Francisco, Cal.
Noah Shaw & Co., Eau Claire, Wis.
Southwark Fdry. & Mach. Co., Wash. Av. & S. 5th St., Phila., Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Swamscot Machine Co., S. Newmarket, N. H.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Warfield Mfg. Co., Baltimore, Md.
Watertown Steam Engine Co., Watertown, N. Y. *169
Webster, Camp & Lane Machine Co., Akron, O. *258–61

Weston Engine Co., Painted Post, N. Y.
Woodbury Engine Co., Rochester, N. Y.

1205. BEAM ENGINES.

A. CANE MILL BEAM ENGINES.
Colwell Iron Works, 549 W. 27th St., New York.
Robert Deeley & Co., 507 W. 32d St., New York.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.

B. CORLISS BEAM ENGINES.
Corliss Steam Engine Co., Providence, R. I.
Frick Co., Waynesboro', Pa. *153
Hoffman & Billings Mfg. Co., Milwaukee, Wis.

1206. CABLE RAILROAD MACHINERY.

M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Jonson Foundry & Machine Co., ft. E. 118th St., New York.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
McHose & Lyon Co., Dayton, O.
Robt. Poole & Son Co., Baltimore, Md. *132
Wm. T. Powers & Son, Grand Rapids, Mich.
Richmond Locomotive & Machine Works, Richmond, Va.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walker Mfg. Co., Cleveland, O.

A. CABLE RAILWAY POWER PLANTS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Robt. Poole & Son Co., Baltimore, Md. *132
Walker Mfg. Co., Cleveland, O.

B. RAILWAY CABLE GRIPS.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Robt. Poole & Son Co., Baltimore, Md. *132
Walker Mfg. Co., Cleveland, O.
Wm. Wharton, Jr., & Co., 330 Walnut St., Philadelphia, Pa.

1207. COMPOUND STEAM ENGINES.

Edward P. Allis, Milwaukee, Wis.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago. Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frick Co., Waynesboro', Pa. *153
Frontier Iron & Brass Works, Detroit, Mich.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Hewes & Phillips Iron Works, Newark, N. J.
Jonson Foundry & Machine Co., ft. E. 118th St., New York.
Noble & Hall, 301 Peach St., Erie, Pa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Southwark F. & M. Co., Washington Av. & S. 5th St.. Phila., Pa.
Webster, Camp & Lane Machine Co., Akron, O. *258-61
Westinghouse Machine Co., Pittsburgh, Pa.

A. COMPOUND CONDENSING ENGINES.
Edward P. Allis, Milwaukee, Wis.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
C. & G. Cooper & Co., Mt. Vernon, O.
Fitchburg Steam Engine Co., Fitchburg, Mass.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Hewes & Phillips Iron Works, Newark, N. J.
John T. Noye Mfg. Co., Buffalo, N. Y.
B. W. Payne & Sons, Elmira, N. Y.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila, Pa.
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

B. COMPOUND CORLISS ENGINES.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frick Co., Waynesboro', Pa. *153
Hewes & Phillips Iron Wks., c. Orange & Ogden Sts., Newark, N. J.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
San Francisco Tool Co., San Francisco, Cal.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Robert Wetherill & Co., Chester, Pa.

C. COMPOUND HORIZONTAL STEAM ENGINES.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frick Co., Waynesboro', Pa. *153
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
B. W. Payne & Sons, Elmira, N. Y.

D. COMPOUND VERTICAL STEAM ENGINES.
Fraser & Chalmers, Union & Fulton Sts. Chicago, Ill.
B. W. Payne & Sons, Elmira, N. Y.

1208. CORLISS STEAM ENGINES.

Edward P. Allis, Milwaukee, Wis.
Beckett Foundry & Machine Co., Arlington, N. J.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
C. & G. Cooper & Co., Mt. Vernon, O.
Corliss Steam Engine Co., Providence, R. I.
Dickson Mfg. Co., Scranton, Pa.

Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frick Co., Waynesboro', Pa. *153
William A. Harris Steam Engine Co., Providence, R. I.
Hewes & Phillips Iron Works, Newark, N. J.
Hooven, Owens & Rentschler Co., Hamilton, O.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
B. W. Payne & Sons, Elmira, N. Y.
Pitts Agricultural Works, Buffalo, N. Y.
Portland Co., Portland, Me.
Isaac Pott & Co., Lebanon, Pa.
Providence Steam Engine Co., Providence, R. I.
St. Louis Iron & Machine Works, 1001 S. Main St., St. Louis, Mo.
Southwark F. & M. Co., Washington Av. & S. 5th St , Phila., Pa.
Watts, Campbell & Co., Newark, N. J.
Webster, Camp & Lane Machine Co., Akron, O. *258–61
Robt. Wetherill & Co., Chester, Pa.

1209. DOUBLE STEAM ENGINES.

Atlas Engine Works, Indianapolis, Ind. *134–7
Cleveland & Hardwick, Erie, Pa.
Dickson Mfg. Co., Scranton, Pa.
Erie City Iron Works, Erie, Pa. *140–7
P. H. Glatfelter, Spring Forge, Pa.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Ottumwa Iron Works, Ottumwa, Iowa.
Isaac Pott & Co., Lebanon, Pa.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1210. FARM ENGINES.

Advance Thresher Co., Battle Creek, Mich.
Albany Agricultural & Machine Works, Albany, N. Y
Ames Iron Works, Oswego, N. Y.
Appleton Mfg. Co., Appleton, Wis.
Atlas Engine Works, Indianapolis, Ind. *134–7
C. Aultman & Co., Canton, O. *104–13
John Best, Lancaster, Pa. *150
Birdsall Co., Auburn, N. Y.
Geo. W. Brown & Co., Galesburg, Ill.
J. I. Case Threshing Machine Co., Racine, Wis.
C. & G. Cooper & Co., Mt. Vernon, O.
John S. Davis' Sons, Davenport, Iowa.
H. Dudley, Coleman & Co., New Orleans, La.
Eagle Machine Works Co., Erie, Pa.
Erie City Iron Works, Erie, Pa. 140–7
Frick Co., Waynesboro', Pa. *153
Gaar, Scott & Co., Richmond, Ind.
Griffith & Wedge Co., Zanesville, O.
Hagerstown Steam Engine & Machine Co., Hagerstown, Md.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.) Harrisburg, Pa.
Heilman Machine Works, Evansville, Ind.
Huber Mfg. Co., Marion, O.
D. June & Co., Fremont, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Landis & Haverstick, Lancaster, Pa. *164–7
Lansing Iron & Engine Works, Lansing, Mich.
James Leffel & Co., Springfield, O. *130
Geo. R. Lombard & Co., Augusta, Ga.
Mansfield Machine Works, Mansfield, O.
Chas. Millar & Son, Utica, N. Y.
T. M. Nagle, Erie, Pa.
Nichols & Shepard Co., Battle Creek, Mich.
Oneida Iron Works, Oneida, N. Y.
B. W. Payne & Sons, Elmira, N. Y.
Pitts Agricultural Works, Buffalo, N. Y.
Pomeroy Machine Co., Pomeroy, O.
H. W. Rice, San Francisco, Cal.
Ritchie & Dyer Co., Hamilton, O.
Robinson & Co., Richmond, Ind.
Russell & Co., Massillon, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore Md.
A. W. Stevens & Son, Auburn, N. Y.
Skinner Engine Co., Erie, Pa.
Volk & Murdock Iron Works, Charleston, S. C.
Watertown Steam Engine Co., Watertown, N. Y. *169
Westinghouse Co., Schenectady, N. Y.

	Weston Engine Co., Painted Post, N. Y.	
	Williams Bros., Ithaca, N. Y.	
	Wood, Taber & Morse, Eaton, N. Y.	
A. FARM ENGINES & PUMP COMBINED.	Landis & Haverstick, Lancaster, Pa.	*164-7
	Trenton Iron Co., Trenton, N. J.	
B. FARM ENGINES, STRAW BURNING.	Advance Thresher Co., Battle Creek, Mich.	
	C. Aultman & Co., Canton, O.	*104-13
	Aultman & Taylor Co., Mansfield, O.	
	Benicia Agricultural Works, Benicia, Cal.	
	Gaar, Scott & Co., Richmond, Ind.	
	Nichols & Shepard Co., Battle Creek, Mich	
	Pitts Agricultural Works, Buffalo, N. Y.	
	M. Rumely Co., La Porte, Ind.	
	Russell & Co., Massillon, O.	
C. FARM ENGINE TENDERS.	C. Aultman & Co., Canton, O.	*104-13
1211. GAS ENGINES.	Dickson Mfg. Co., Scranton, Pa.	
	Electric Mfg. & Gas Engine Co., Greenbush, N. Y.	
	Gas Engine & Power Co., Morris Dock, New York.	
	National Meter Co., 252 Broadway, New York.	
	Otis Bros. & Co., 38 Park Row, New York.	
	Schleicher, Schumm & Co., 33d & Walnut Sts., Philadelphia, Pa.	
	Van Duzen Gas Engine Co., 25 Broadway, Cincinnati, O.	
	White & Middletown Gas Engine Co., Baltimore, Md.	
	William T. Garratt & Co., San Francisco, Cal.	
A. GAS ENGINES & PUMPS COMBINED.	National Meter Co., 252 Broadway, New York.	
	Otis Bros. & Co., 38 Park Row, New York.	
	Schleicher, Schumm & Co., 33d & Walnut Sts., Philadelphia, Pa.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
1212. GAUGES.		
A. BACK PRESSURE GAUGES.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
B. COMBINATION GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.	*128
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
C. ELECTRIC GAUGES.	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
	Standard Electric Time Co., New Haven, Conn.	
D. GAUGE GLASS WASHERS.	Home Rubber Co., Trenton, N. J.	
E. GAUGE TESTING APPARATUS.	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.	*128
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
F. HIGH PRESSURE ALARM GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Jarvis B. Edson, 87 Liberty St., New York.	
	D. McDonald & Co., Albany, N. Y.	
G. INDICATING GAUGES.	Jarvis B. Edson, 87 Liberty St., New York.	
H. LOCOMOTIVE GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.	*128
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
I. LOCOMOTIVE SPRING BALANCES.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
J. MERCURIAL PRESSURE GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
K. RECORDING GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Jarvis B. Edson, 87 Liberty St., New York.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
L. STEAM GAUGE MOVEMENTS.	D. S. Plumb, Newark, N. J.	*82
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
	Waterbury Mfg. Co., Waterbury, Conn.	
M. STEAM GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.	
	Cleveland Steam Gauge Co., Cleveland, O.	*156
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.	*128
	Fowler & Co., Louisville, Ky.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Post & Co., 217 W. 4th St., Cincinnati, O.	
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
	A. Weishopf, 111 Fifth Av., Chicago, Ill.	
	Yale & Towne Mfg. Co., Stamford, Conn.	
	August Zaubitz, 48 Centre St., New York.	
N. TIME RECORDING GAUGES.	Jarvis B. Edson, 87 Liberty St., New York.	
O. WATER GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.	*128
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	

Jarvis B. Edson, 87 Liberty St., New York.
A. Fulton's Son & Co., Pittsburgh, Pa. *36
William T. Garratt & Co., San Francisco, Cal.
James Gregory, 106 Cannon St., New York.
Haydenville Mfg. Co., 73 Beekman St., New York.
Kendall Mfg. Co., Buffalo, N. Y.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
McNab & Harlin, Paterson, N J.
Reliance Gauge Co., Cleveland, O.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.
Springfield Brass Co., Springfield, O.
Standard Thermometer Co., Peabody, Mass.
Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Wentworth Mfg. Co., 42 Batterymarch St., Boston, Mass.
Yale & Towne Mfg. Co., Stamford, Conn.

P. WATER GAUGES, AUTOMATIC.
Wainwright Mfg. Co. of Mass., 8 Oliver St., Boston, Mass.

Q. WATER GAUGE TUBES, GLASS.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.

1213. HAULING ENGINES.

Altoona Mfg. Co., Altoona, Pa.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Crawford & McCrimmon, Brazil, Ind.
Diamond Prospecting Co., Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
J. S. Mundy, Newark, N. J.
Ottumwa, Iron Works, Ottumwa, Iowa.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Webster, Camp & Lane Machine Co., Akron, O. *258-61

1214. HIGH SPEED STEAM ENGINES.

A. HIGH SPEED AUTOMATIC ENGINES.
Armington & Sims Engine Co., Providence, R. I.
Atlas Engine Works, Indianapolis, Ind. *134-7
Altoona Mfg. Co., Altoona, Pa.
Ball Engine Co., Erie, Pa.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Erie City Iron Works, Erie, Pa. *140-7
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Fitchburg Steam Engine Co., Fitchburg, Mass.
Frick Co., Waynesboro', Pa. *153
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Hill Machine Works, Florence, Mass. *157
Howard & Morse, 45 Fulton St., New York.
H. Nadig & Bro., Allentown, Pa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Paige Mfg. Co., Painesville, O. *130
Phœnix Iron Co., Trenton, N. Y.
Robt. Poole & Son Co., Baltimore, Md. *132
H. K. Porter & Co., Pittsburgh, Pa.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Portland Company, Portland, Me.
Racine Hardware Mfg. Co., Racine, Wis.
Simonds Mfg. Co., 50 Cliff St., N. Y.
Skinner Engine Co., Erie, Pa.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
Straight Line Engine Co., Syracuse, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Westinghouse Machine Co., Pittsburgh, Pa.
L. J. Wing & Co., 126 Liberty St., New York.
Woodbury Engine Co., Rochester, N. Y.

B. HIGH SPEED CORLISS ENGINES.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
B. W. Payne & Sons, Elmira, N. Y.

C. HIGH SPEED VERTICAL ENGINES.
N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

1215. HOISTING ENGINES.

Albany Agricultural & Machine Works, Albany, N. Y.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Altoona Mfg. Co., Altoona, Pa.
Atlas Engine Works, Indianapolis, Ind. *134-7
John Best, Lancaster, Pa. *150
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Thomas Carlin's Sons, Allegheny, Pa.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
Copeland & Bacon, 85 Liberty St., New York.
Crawford & McCrimmon, Brazil, Ind.
C. Currier & Sons, Newark, N. J.

Diamond Prospecting Co., 15 N. Clinton St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Joseph Edwards & Co., 412 Water St., New York.
Filer & Stowell Co., Milwaukee, Wis.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frey & Motter, York, Pa.
Frick Co., Waynesboro', Pa. *153
D. Frisbie Co., New Haven, Conn.
Fuller Iron Works, Providence, R. I.
Fulton Iron Works, San Francisco, Cal.
Griffith & Wedge Co., Zanesville, O.
Joshua Hendy Machine Works, San Francisco, Cal.
Hill Machine Works, Florence, Mass. *157
Industrial Machine Works, Galesburg, Ill.
Edward Kendall & Sons, Cambridgeport, Mass.
Lebanon Mfg. Co., Lebanon, Pa.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Litchfield Car & Machine Co., Litchfield, Ill.
Mansfield Machine Works, Mansfield, O.
Moore Mfg. & Foundry Co., Milwaukee, Wis.
Morris County Machine & Iron Co., Dover, N. J.
J. S. Mundy, Newark, N. J.
H. Nadig & Bro., Allentown, Pa.
Ottumwa Iron Works, Ottumwa, Iowa.
Pacific Iron Works, Bridgeport, Conn.
Phœnix Iron Works, Cleveland, O.
Portland Company, Portland, Me.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Ribon & March, Jersey City, N. J.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walker Mfg. Co., Cleveland, O.
Webster, Camp & Lane Machine Co., Akron, O. *258–61
Weimer Machine Works Co., Lebanon, Pa.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.
Wormser Machinery Co., 11 N. 7th St., St. Louis, Mo.

A. DUPLEX HOISTING ENGINES.
Dickson Mfg. Co., Scranton, Pa.
Hill Machine Works, Florence, Mass. *157
Ryan-McDonald Mfg. Co., 44 Front St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. FRICTION HOISTING ENGINES.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Knowles & Kelley, Troy, N. Y.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. MINING ENGINES.
Edward P. Allis, Milwaukee, Wis.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Atlas Engine Works, Indianapolis, Ind. *134–7
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Hendey & Meyer Engineering Co., Denver, Col.
Hill Machine Works, Florence, Mass. *157
Kenney & Co., Scottdale, Pa.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
J. S. Mundy, Newark, N. J.
Ribon & March, Jersey City, N. J.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Webster, Camp & Lane Machine Co., Akron, O. *258–61

D. QUARRY ENGINES.
Atlas Engine Works, Indianapolis, Ind. *134–7
M. C. Bullock Mfg. Co., 1170 W. Lake S., Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Hill Machine Works, Florence, Mass. *157
Lidgerwood Mfg. Co., 96 Liberty St., New York.
J. S. Mundy, Newark, N. J.
Ottumwa Iron Works, Ottumwa, Iowa.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.

1216. HORIZONTAL STEAM ENGINES.

Albany Steam Engine & Boiler Works, Broadway, Albany, N.Y.
Anderson Foundry & Machine Works, Anderson, Ind.
Armington & Sims Engine Co., Providence, R. I.

Atlas Engine Works, Indianapolis, Ind. *134-7
Bass Foundry & Machine Works, Ft. Wayne, Ind.
Bay State Iron Works, Erie, Pa.
John Best, Lancaster, Pa. *150
Buffalo Steam Engine Works, Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
W. P. Callahan & Co., Dayton, O.
Carlisle Mfg. Co., Carlisle, Pa.
Climax Mfg. Co., Corry, Pa.
Cline Engine & Machine Works, Plymouth, O.
Colwell Iron Works, 549 W. 27th St., New York.
Cyrus Currier & Sons, Newark, N. J.
John S. Davis' Sons, Davenport, Iowa.
Dickson Mfg. Co., Scranton, Pa.
Erie City Iron Works, Erie, Pa. *140-7
Excelsior Iron Works Co., Cleveland, O.
Exeter Machine Works, Exeter, N. H.
A. B. Farquhar & Co., York, Pa.
Fitchburg Steam Engine Co., Fitchburg, Mass.
Frick Co., Waynesboro', Pa. *153
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Geiser Mfg. Co., Waynesboro', Pa.
P. H. Glatfelter, Spring Forge, Pa.
Griffith & Wedge Co., Zanesville, O.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Heilman Machine Works, Evansville, Ind.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
Kilby Mfg. Co., Cleveland, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Landis & Haverstick, Lancaster, Pa. *164-7
James Leffel & Co., Springfield, O. *130
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Geo. R. Lombard & Co., Augusta, Ga.
Mansfield Machine Works, Mansfield, O.
New York Central Iron Works, Geneva, N. Y.
Nichols & Langworthy Machine Co., Hope Valley, R. I.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
John T. Noye Mfg. Co., Minneapolis, Minn.
B. W. Payne & Sons, Elmira, N. Y.
Robert Poole & Son Co., Baltimore, Md. *132
Portland Company, Portland, Me.
Wm. T. Powers & Son, Grand Rapids, Mich.
Putnam Machine Co., Fitchburg, Mass.
Reading Iron Co., Reading, Pa.
Ribon & March, Jersey City, N. J.
Robinson & Co., Richmond, Ind.
Southwalk Fdry. & Mach. Co , Wash. Av. & 5th St., Phila., Pa.
B. F. Sturtevant Co,, 34 Oliver St., Boston, Mass.
Wm. Todd & Co., Youngstown, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Chas. P. Willard & Co., Claybourn & Southport Avs., Chicago, Ill.
Woodbury Engine Co., Rochester, N. Y.

1217. HORSE POWERS.

Advance Thresher Co., Battle Creek, Mich.
Albany Agricultural & Machine Works, Albany, N. Y.
American Well Works, Aurora, Ill.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
Aultman & Taylor Co., Mansfield, O.
Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
G. V. Brecht Butchers' Supply Co., 1201 Cass Av., St. Louis, Mo.
Carlisle Mfg. Co., Carlisle, Pa.
J. I. Case Threshing Co., Racine, Wis.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
G. D. Colton & Co., Galesburg, Ill.
C. & G. Cooper & Co., Mt. Vernon, O.
Stephen G. Cree, Wheelock, Vt.
John S. Davis' Sons, Davenport, Iowa.
Eagle Machine Co., Lancaster, O. *114
Eagle Machine Works Co., Indianapolis, Ind.
Edgecombe Agricultural Works, Tarboro', N. C.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Gaar, Scott & Co., Richmond, Ind.

Geiser Mfg. Co., Waynesboro', Pa.
A. W. Gray's Sons, Middletown Springs, Vt.
Geo. L. Grier & Son, Milford, Del.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Link Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Livermore Foundry & Machine Co., Memphis, Tenn.
Mankato Mfg. Co., Mankato, Minn.
Morgan, Kelley & Taneyhill, Waterloo, Iowa.
Nichols & Shepard Co., Battle Creek, Mich.
Pitts Agricultural Works, Buffalo, N. Y.
J. E. Porter, Ottawa, Ill.
Ribon & March, Jersey City, N. J.
Robinson & Co., Richmond, Ind.
E. W. Ross & Co., Springfield, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Silver Mfg. Co., Salem, Ohio. *205
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
Geo. L. Squier Mfg. Co., Buffalo, N. Y.
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Williams Bros., Ithaca, N. Y.

A. GRAIN ELEVATOR HORSE POWERS.
Paige Mfg. Co., Painsville, O. *130

B. GRINDING HORSE POWERS.
Appleton Mfg. Co., Appleton, Wis.
W. G. & W. Barnes, Freeport, Ill.
Battle Creek Machinery Co., Battle Creek, Mich.
Brennan & Co., Louisville, Ky.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
A. C. Clark & Co., Manchester, Iowa.
F. F. Collins Mfg. Co., San Antonia, Tex.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Fort Worth Iron Works, Fort Worth, Tex.
Goulds Mfg. Co., Seneca Falls, N. Y.
Grand Rapids Mfg. Co., Grand Rapids, Mich.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Hildreth Bros., Harvard, Mass.
Hocking Valley Mfg. Co., Lancaster, O.
Joliet Mfg. Co., Joliet, Ill.
Keystone Mfg. Co., Sterling, Ill.
King & Hamilton Co., Ottawa, Ill
Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.
Lehr Agricultural Co., Fremont, O.
J. H. McLain Machine Co., Canton, O. *115
Marseilles Mfg. Co., Marseilles, Ill.
Nordyke & Marmon Co., Indianapolis, Ind. *208
Novelty Iron Works, Dubuque, Iowa.
Pitts Agricultural Works, Buffalo, N. Y.
Sandwich Mfg. Co., Sandwich, Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Treman, Waterman & Co., Ithaca, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Edward W. Walker & Co., Goshen, Ind.
Western Mfg. Co., Lincoln, Neb.

C. PUMPING HORSE POWERS.
F. F. Collins Mfg. Co., San Antonio, Tex.
Fort Worth Iron Works, Fort Worth, Tex.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
J. H. McLain Machine Co., Canton, O. *115
Novelty Iron Works, Dubuque, Iowa.
U. S. Wind Engine & Pump Co., Batavia, Ill.

D. RAILWAY HORSE POWERS.
Albany Agricultural & Machine Works, Albany, N. Y.
American Farm Implement Co., Raritan, N. J.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
Alfred Baker & Co., Newtown, Pa.
W. L. Boyer & Bro., 543 Diamond St., Philadelphia, Pa.
J. I. Case Threshing Machine Co., Racine, Wis.
F. F. Collins Mfg. Co., San Antonio, Tex.
Ellis Keystone Agricultural Works, Pottstown, Pa.
A. B. Farquhar & Co., York, Pa.
Fort Worth Iron Works, Fort Worth, Tex.
Gaar, Scott & Co., Richmond, Ind.
A. W. Gray's Sons, Middletown Springs, Vt.
auck & Comstock, Mechanicsburg, Pa.

Hildreth Bros., Harvard, Mass.
S. S. Messinger & Son, Tatamy, Pa.
Morton Mfg. Co., Romeo, Mich.
Benj. F. Rollins, St. Johnsbury, Vt.
E. W. Ross & Co., Springfield, O.
St. Albans Foundry, St. Albans, Vt.
Smalley Mfg. Co., Manitowoc, Wis.
Star Mfg. Co., Carpentersville, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Westinghouse Co., Schenectady, N. Y.

E. THRESHING HORSE POWERS.

Advance Thresher Co., Battle Creek, Mich.
C. Aultman & Co., Canton, O. *104-13
Birdsall Co., Auburn, N. Y.
Brennan & Co., Louisville, Ky.
Cardwell Machine Co., Richmond, Va.
F. F. Collins Mfg. Co., San Antonio, Tex.
John S. Davis' Sons, Davenport, Iowa.
Ellis Keystone Agricultural Works, Pottstown, Pa.
A. B. Farquhar & Co., York, Pa.
Fort Worth Iron Works, Fort Worth, Tex.
Frick Co., Waynesboro', Pa. *153
A. W. Gray's Sons, Middletown Springs, Vt.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
J. H. McLain Machine Co., Canton, O. *115
S. S. Messinger & Son, Tatamy, Pa.
Minneapolis Threshing Machine Co., Minneapolis, Minn.
Nichols & Shepard Co., Battle Creek, Mich.
Novelty Iron Works, Dubuque, Iowa.
Pitts Agricultural Works, Buffalo, N. Y.
Roberts, Thorp & Co., Three Rivers, Mich.
J. S. Rowell Mfg. Co., Beaver Dam, Wis.
M. Rumely & Co., La Porte, Ind.
Russell & Co., Massillon, O.
L. Spence, Martin's Ferry, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Westinghouse Co., Schenectady, N. Y.

1218. HOT AIR ENGINES.

Delamater Iron Works, 21 Cortlandt St., New York.
Sayer & Co., 37 Dey St., New York.
Woodbury, Merrill, Patten & Woodbury Air Eng. Co., Boston, Mass.

1219. KEROSENE BURNING ENGINES.

Rochester Machine Tool Works, Rochester, N. Y.
Shipman Engine Mfg. Co., Rochester, N. Y.

1220. LAUNCH ENGINES.

A. KEROSENE BURNING LAUNCH ENGINES.

Rochester Machine Tool Works, Rochester, N. Y.

B. NAPHTHA LAUNCH ENGINES.

Gas Engine & Power Co., Morris Dock Station, New York.

C. STEAM LAUNCH ENGINES.

Cline Engine & Machine Works, Plymouth, O.
Herreshoff Mfg. Co., Bristol, R. I.
N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
H. G. Trout, Buffalo, N. Y.
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

1221. LOCOMOTIVES.

Adams & Price Locomotive & Machine Works, Nashville, Tenn.
Baldwin Locomotive Works, 500 N. Broad St., Phila., Pa.
Brooks Locomotive Works, Dunkirk, N. Y.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Cooke Locomotive & Machine Co., Paterson, N. J.
Dickson Mfg. Co., Scranton, Pa.
Grant Locomotive Works, Paterson, N. J.
Lima Machine Works, Lima, O.
Manchester Locomotive Works, Manchester, N. H.
Mason Machine Works, Taunton, Mass.
New York Locomotive Works, Rome, N. Y.
Pittsburgh Locomotive & Car Works, Pittsburgh, Pa.
Portland Company, Portland, Me.
Rhode Island Locomotive Works, Providence, R. I.
Richmond Locomotive & Machine Works, Richmond, Va.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Roanoke Machine Works, Roanoke, Va.
Rogers Locomotive & Machine Works, Paterson, N. J.
Schenectady Locomotive Works, Schenectady, N. Y.
Talbott & Sons, Macon, Ga.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wharton Railroad Switch Co., 124 Forrest Bldg., Phila., Pa.
Wyoming Valley Mfg. Co., Wilkes Barre, Pa.

1222. LOCOMOTIVES, ELECTRIC.

Sperry Elec. Min. Mach. Co., 39th St. & Stewart Av., Chicago, Ill.
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.

1223. LOCOMOTIVES, LIGHT.

Baldwin Locomotive Works, 500 N. Broad St., Phila., Pa.
Dickson Mfg. Co., Scranton, Pa.
Knowlson & Kelley, Troy, N. Y.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Lima Machine Works, Lima, O.
J. S. Mundy, Newark, N. J.
H. K. Porter & Co., Pittsburgh, Pa.
Portland Company, Portland, Me.
J. E. Randle & Co., Memphis, Tenn.
Jas. Rees, Pittsburgh, Pa.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1224. MARINE STEAM ENGINES.

Ainslie, Cochran & Co., Louisville, Ky.
Albany Steam Engine & Boiler Works, Broadway, Albany, N.Y.
Atlantic Works, 60 Border St., E. Boston, Mass.
Bath Iron Works, Bath, Me.
Bay State Iron Works, Erie, Pa.
Cleveland Ship Building Co., Cleveland, O.
Cline Engine & Machine Works, Plymouth, O.
Delamater Iron Works, 21 Cortlandt St., New York.
Frontier Iron & Brass Works, Detroit, Mich.
P. H. Glatfelter, Spring Forge, Pa.
Globe Iron Works Co., Cleveland, O.
Herreshoff Mfg. Co., Bristol, R. I.
Hill Machine Works, Florence, Mass. *157
I. F. Hodge & Co., Detroit, Mich.
Harrison Loring, 1st bet. L. & M. Sts., S. Boston, Mass.
Morris Machine Works, Baldwinsville, N. Y.
Portland Company, Portland, Me.
Quintard Iron Works, 742 E. 12th St., New York.
Racine Hardware Mfg. Co., Racine, Wis.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
Risdon Iron & Locomotive Works, San Francisco, Cal.
St. Louis Iron & Machine Works, 1001 Main St., St. Louis, Mo.
Shook-Anderson Mfg. Co., Pittsburgh, Pa.
Skinner & Arnold, Albany, N. Y.
Southwark Foundry & Mach. Co., Wash. Av. & 5th St., Phila., Pa.
A. J. Sweeney & Son, Wheeling, W. Va. *61
Westinghouse Machine Co., Pittsburgh, Pa.
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

A. PETROLEUM MARINE ENGINES.

Globe Iron Works Co., Center & Spruce Sts., Cincinnati, O.
Shipman Engine Mfg. Co., Rochester, N. Y.

B. STEAMBOAT ENGINES.

Columbian Iron Works & Dry Dock Co., Baltimore, Md.
Colwell Iron Works, 549 W. 27th St., New York.
Hill Machine Works, Florence, Mass. *157
Portland Company, Portland, Me.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
H. G. Trout, Buffalo, N. Y.

1225. MOTORS, ELECTRIC.

Audubon Machine Works, New Haven, Conn.
Belding Motor & Mfg. Co., 6 "The Rookery," Chicago, Ill.
Brush Electric Co., Cleveland, O.
Card Elect. Motor & Dynamo Co., 2d & Plum Sts., Cincinnati, O.
Cleveland Motor Co., 409 Broadway, New York.
Consolidated Dynamo & Motor Co., Baltimore, Md.
Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa. *257
Detroit Electrical Works, Detroit, Mich.
Diehl & Co., 385 Broadway, New York.
C. & C. Electric Motor Co., 404 Greenwich St., New York.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Fort Wayne Electric Co., Fort Wayne, Ind.
Gaynor Electric Co., Louisville, Ky.
Hawkeye Electric Mfg. Co., Davenport, Iowa.
Jenney Electric Motor Co., Indianapolis, Ind.
Leffel Water Wheel & Engine Co., Springfield, O. *133
Marshall Bros., Pittsburgh, Pa.
Mather Electric Co., Manchester, Conn.
Quaker City Electric Co., 49 N. 7th St., Philadelphia, Pa.
Queen City Electric Co., 54 Longworth St., Cincinnati, O.
Sperry Elec. Min. Mach. Co., 39th St. & Stewart Av., Chicago, Ill.
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.
L. J. Wing & Co., 126 Liberty St., New York.
A. BATTERY MOTORS. C. & C. Electric Motor Co., 404 Greenwich St., New York,

1226. MOTORS, STREET RAILWAY, ELECTRIC.

Belding Motor & Mfg. Co., Chicago, Ill.
Brush Electric Co., Cleveland, O.
Edison Genl. Electric Co., Edison Bldg., Broad St., New York.
Thomson-Houston Elec. Co., 620 Atlantic Av., Boston, Mass.

1227. MOTORS, STREET RAILWAY, STEAM.

Baldwin Locomotive Works, 500 N. Broad St., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
H. K. Porter & Co., Pittsburgh, Pa.

1228. MOTORS, WATER.

Backus Water Motor Co., Newark, N. J.
Belknap Motor Co., Portland, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
Racine Malleable & Wrought Iron Co., Racine, Wis.
Geo. J. Roberts, Dayton, O.
P. H. & F. M. Roots Co., Connersville, Ind.
Ross Valve Co., Troy, N. Y.
Seymour & Whitlock, Newark, N. J.
Warfield Mfg. Co., Baltimore, Md.
D. Webster, Christiana, Pa.
Worthington Pump. Engine Co., 145 Broadway, New York.*241

1229. NAPHTHA ENGINES.

Gas Engine & Power Co., Morris Dock Station, New York.

1230. OIL WELL ENGINES.

Buffalo Steam Engine Works, Buffalo, N. Y.
Edward S. Clark, 392 Atlantic Av., Boston, Mass.
Elmer E. Cline, Alliance, O.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Farrar & Trefts, Buffalo, N. Y.

1231. PAPER MILL ENGINES.

P. C. Holmes Co., Gardiner, Me.
J. H. Horne & Sons Co., Lawrence, Mass.
Jas. Pearman, Fulton, N. Y.

1232. PETROLEUM, ENGINES.

Dickson Mfg. Co., Scranton, Pa.
Shipman Engine Mfg. Co., Rochester, N. Y.

1233. PORTABLE STEAM ENGINES.

Adrian Brick & Tile Machine Co., Adrian, Mich.
Ames Iron Works, Oswego, N. Y.
Armitage-Herschell Co., Tonawanda, N. Y. *249
Atlas Engine Works, Indianapolis, Ind. *134–7
C. Aultman & Co., Canton, O. *104–13
Aultman & Taylor Co., Mansfield, O.
Bay State Iron Works, Erie, Pa.
John Best, Lancaster, Pa. *150
Birdsall Co., Auburn, N. Y.
Blymyer Iron Wks. Co., Richmond & Harriet Sts., Cincinnati, O.
Carlisle Mfg. Co., Carlisle, Pa.
J. I. Case Threshing Machine Co., Racine, Wis.
Chandler & Taylor, Indianapolis, Ind.
Cleveland & Hardwick, Erie, Pa.
H. Dudley Coleman & Co., Ltd., New Orleans, La.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
C. & G. Cooper & Co., Mount Vernon, O.
Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
Defiance Machine Works, Defiance, O.
Erie City Iron Works, Erie, Pa. *140–7
S. C. Forsaith Machine Co., Manchester, N. H.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frey-Sheckler Co., Bucyrus, O. *162
E. M. Freese & Co., Plymouth, O.
Frick Co., Waynesboro', Pa. *153
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro', Pa.
Griffith & Wedge Co., Zanesville, O.
Groton Bridge & Mfg. Co , Groton, N. Y.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Heilman Machine Works, Evansville, Ind.
W. M. Hurlbut, Winona, Minn.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Kratz Bros., Evansville, Ind.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Landis & Haverstick, Lancaster, Pa. *164–7
Lansing Iron & Engine Works, Lansing, Mich.
Lebanon Mfg. Co., Lebanon, Pa.

James Leffel & Co., Springfield, O. *130
Lidgerwood Mfg. Co., 96 Liberty St., New York.
McEwen Bros., Wellsville, N. Y.
Mansfield Machine Works, Mansfield, O.
Marion Mfg. Co., Marion, O.
Mecklenburg Iron Works, Charlotte, N. C.
Milburn Gin & Machine Co., Memphis, Tenn.
Chas. Millar & Son, Utica, N. Y.
Murray Iron Works Co., Burlington, Iowa.
T. M. Nagle, Erie, Pa.
Nichols & Shepard Co., Battle Creek, Mich.
Nordyke & Marmon Co., Indianapolis, Ind. *208
Oil City Boiler Works, Oil City, Pa.
Oneida Iron Works, Oneida, N. Y.
Paige Mfg. Co., Painesville, O. *130
B. W. Payne & Sons, Elmira, N. Y.
Phœnix Iron Works Co., Meadville, Pa.
Pitts Agricultural Works, Buffalo, N. Y.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Portland Company, Portland, Me.
Isaac Pott & Co., Lebanon, Pa.
Rand Drill Co., 23 Park Place, New York. *218
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
Ritchie & Dyer Co., Hamilton, O.
Robinson & Co., Richmond, Ind.
M. Rumely Co., La Porte, Ind.
Russell & Co., Massillon, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Scheidler Machine Works, Newark, O.
Shakspeare, Smith & Co., New Orleans, La.
Sinker Davis Co., Indianapolis, Ind.
Skinner Engine Co., Erie, Pa.
Smith, Myers & Schnier, 323 W. Front St., Cincinnati, O.
SouthwarkFdry.&Mach.Co.,Washington Av.& 5th St.,Phila.,Pa.
L. Spence, Martin's Ferry, O.
Jos. C. Todd, Paterson, N. J.
Watertown Steam Engine Co., Watertown, N. Y. *169
Weston Engine Co., Painted Post, N. Y.
West Point Foundry & Machine Works, West Point, Ga.
Chas. P. Willard & Co., Clybourn & Southport Avs.,Chicago, Ill.
Williams Bros., Ithaca, N. Y.
Williams, White & Co., Moline, Ill.
Winship Machine Co., Atlanta, Ga.
Wood, Taber & Morse, Eaton, N. Y.

A. PORTABLE ENGINES ON SKIDS.

Albany Agricultural & Machine Works, Albany, N. Y.
Atlas Engine Works, Indianapolis, Ind. *134–7
John Best, Lancaster, Pa. *150
Blymyer Iron Wks. Co., Richmond & Harriet Sts., Cincinnati, O.
J. I. Case Treshing Machine Co., Racine, Wis.
Cleveland & Hardwick, Erie, Pa.
Eagle Machine Works, Co., Indianapolis, Ind.
Erie City Iron Works, Erie, Pa. *140–7
Frick Co., Waynesboro', Pa. *153
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro', Pa.
Griffith & Wedge Co., Zanesville, O.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.),Harrisburg, Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
James Leffel & Co., Springfield, O. *130
Marshutz & Cantrell, San Francisco, Cal.
Nichols & Shepard Co., Battle Creek, Mich.
Paige Mfg. Co., Painesville, O. *130
Pitts Agricultural Works, Buffalo, N. Y.
Ribon & March, Jersey City, N. J.
Russell & Co., Massillon, O.
A. W. Stevens & Son, Auburn, N. Y.
Wood, Taber & Morse, Eaton, N. Y.

B. PORTABLE ENGINES ON WHEELS.

Advance Thresher Co., Battle Creek, Mich.
Albany Agricultural & Machine Co., Albany, N. Y.
Atlas Engine Works, Indianapolis, Ind. *134–7
C. Aultman & Co., Canton, O. *104–13
John Best, Lancaster, Pa. *150
Blandy Machine Co., Zanesville, O.
Blymyer Iron Works Co., Richmond & Harriet Sts , Cin., O.
J. I. Case Threshing Machine Co., Racine, Wis.

Cleveland & Hardwick, Erie, Pa.
Eagle Machine Works Co., Indianapolis, Ind.
Erie City Iron Works, Erie, Pa. *140-7
A. B. Farquhar & Co., York, Pa.
S. C. Forsaith Machine Co., Manchester, N. H.
Frick Co., Waynesboro', Pa. *153
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro', Pa.
Griffith & Wedge Co., Zanesville, O.
Harrisburg Car Mfg. Co. (Fdry & Mach. Dept.), Harrisburg, Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
James Leffel & Co., Springfield, O. *130
Marshutz & Cantrell, San Francisco, Cal.
Nichols & Shepard Co., Battle Creek, Mich
Paige Mfg. Co., Painesville, O. *130
Pitts Agricultural Works, Buffalo, N. Y.
Ribon & March, Jersey City, N. J.
A. W. Stevens & Son, Auburn, N. Y.
Struthers, Wells & Co., Warren, Pa.
Taylor Mfg. Co., Chambersburg, Pa.
Williams Bros., Ithaca, N. Y.
Wood, Taber & Morse, Eaton, N. Y.

C. VERTICAL PORTABLE ENGINES.

Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frick Co., Waynesboro', Pa. *153
P. H. Glatfelter, Spring Forge, Pa.
James Leffel & Co., Springfield, O. *130
N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
Paige Mfg. Co., Painesville, O. *130
B. W. Payne & Sons, Elmira, N. Y.
Isaac Pott & Co., Lebanon, Pa.
Williams Bros., Ithaca, N. Y.

1234. REVERSING STEAM ENGINES.

Atlas Engine Works, Indianapolis, Ind. *134-7
Buffalo Steam Engine Works, Buffalo, N. Y.
Dickson Mfg. Co., Scranton, Pa.
Holyoke Machine Co., Holyoke, Mass.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
J. S. Mundy, Newark, N. J.
Racine Hardware Mfg. Co., Racine, Wis.
Southwark Fndry. & Mach. Co., Washn. Av. & S. 5th St. Phila., Pa.
Joseph C. Todd, Paterson, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Westinghouse Machine Co., Pittsburgh, Pa.

1235. ROLLING MILL ENGINES.

Edward P. Allis, Milwaukee, Wis.
Atlas Engine Works, Indianapolis, Ind. *134-7
Dickson Mfg. Co., Scranton, Pa.
Frick Co., Waynesboro', Pa. *153
Portland Company, Portland, Me.
Southwark Fndry. & Mach. Co., Washn. Av. & S. 5th St., Phila., Pa.
L. Spence, Martin's Ferry, O.

1236. ROTARY STEAM ENGINES.

Lidgerwood Mfg. Co., 96 Liberty St., New York.

1237. SEMI-PORTABLE ENGINES.

Atlas Engine Works, Indianapolis, Ind. *134-7
C. Aultman & Co., Canton, O. *104-13
Birdsall Co., Auburn, N. Y.
Chandler & Taylor, Indianapolis, Ind.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
James Leffel & Co., Springfield, O. *130
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
C. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

1238. SLIDE VALVE STEAM ENGINES.

Atlas Engine Works, Indianapolis, Ind. *134-7
John Best, Lancaster, Pa. *150
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Davenport Foundry & Machine Co., Davenport, Iowa.
Erie City Iron Works, Erie, Pa. *140-7
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Frost Mfg. Co., Galesburg, Ill.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Griffith & Wedge Co., Zanesville, O.
Harrisburg Car Mfg. Co. (Fdry & Mach. Dept.), Harrisburg, Pa.
Leffel Water Wheel & Engine Co., Springfield, O. *133

Paige Mfg. Co., Painesville, O. *130
Robt. Poole & Son Co., Baltimore, Md. *132
Portland Co., Portland, Me.
Southwark Fndry.& Mach.Co.,Washn. Av. & S.5th St., Phila., Pa.
Jos. C. Todd, Paterson, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131

A. SLIDE VALVE CORLISS ENGINES.

Beckett Foundry & Machine Co., Arlington, N. J.
Brownell & Co., Dayton, Ohio.
C. & G. Cooper & Co., Mount Vernon, O.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.

1239. SPECIAL DUTY ENGINES.

Atlas Engine Works, Indianapolis, Ind. *134–7
Porter Mfg. Co., Ltd., Syracuse, N. Y.

1240. STATIONARY STEAM ENGINES

Ainslie, Cochran & Co., Louisville, Ky.
Albany Agricultural & Machine Works, Albany, N. Y.
Edw. P. Allis, Milwaukee, Wis.
Ames Iron Works, Oswego, N. Y.
Appleton Mfg. Co., Appleton, Wis.
Armington & Sims Engine Co., Providence, R. I.
Armitage-Herschell Co., Tonawanda, N. Y. *249
Atlantic Works, 60 Border St., E. Boston, Mass.
Atlas Engine Works, Indianapolis, Ind. *134–7
C. Aultman & Co., Canton, O. *104–13
Aultman & Taylor Co., Mansfield, O.
Ball Engine Co., Erie, Pa.
Bay State Iron Works, Erie, Pa.
Beall Foundry & Machine Works, Cumberland, Md.
John Best, Lancaster, Pa. *150
Blymyer Iron Works Co., Richmond & Harriet Sts.,Cincinnati,O.
C. H. Brown & Co., Fitchburg, Mass.
Buckeye Engine Co., Salem, O.
Buffalo Steam Engine Works, Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Thomas Carlin's Sons, Allegheny, Pa.
Carlisle Mfg. Co., Carlisle, Pa.
Chandler & Taylor Co., Indianapolis, Ind.
Chester Foundry & Machine Co., Chester, Pa.
Cleveland & Hardwick, Erie, Pa.
R. D. Cole Mfg. Co., Newnan, Ga.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
C. & G. Cooper Co., Mount Vernon, O.
Crawford & McCrimmon, Brazil, Ind.
Dickson Mfg. Co., Scranton, Pa.
Dunkirk Engineering Co., Dunkirk, N. Y.
Eagle Machine Works Co., Indianapolis, Ind.
Erie City Iron Works, Erie, Pa. *140–7
A. B. Farquhar & Co., York, Pa.
Farrar & Trefts, Buffalo, N. Y.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Fitchburg Steam Engine Co., Fitchburg, Mass.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Frick Co., Waynesboro', Pa. *153
Geiser Mfg. Co., Waynesboro', Pa.
Globe Iron Works Co., Cleveland, O.
Great Western Mfg. Co., Leavenworth, Kan.
I. & E. Greenwald Co., 248 E. Pearl St., Cincinnati, O.
Geo. S. Grier, Milford, Del.
Griffith & Wedge Co., Zanesville, O.
Wm. A. Harris Steam Engine Co., Providence, R. I.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Heilman MachineWorks, Evansville, Ind.
Hewes & Phillips Iron Works, Newark, N. J.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Hooven, Owens & Rentschler Co., Hamilton, O.
Huyett-Smith Mfg. Co., Detroit, Mich.
Hill Machine Works, Florence, Mass. *157
Huber Mfg. Co., Marion, O.
A. L. Ide & Son, Springfield, Ill.
D. June & Co., Fremont, O.
Edward Kendall & Sons, Cambridgeport, Mass.
Kenney & Co., Scottdale, Pa.
Kensington Engine Wks., Beach &Vienna Sts., Philadelphia, Pa.

Hollis King & Sons, Corry, Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Kratz Bros., Evansville, Ind.
Landis & Haverstick, Lancaster, Pa. *164-7
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Lansing Iron & Engine Works, Lansing, Mich.
Lawrence & Chapin Co., Kalamazoo, Mich.
Lebanon Mfg. Co., Lebanon, Pa.
James Leffel & Co., Springfield, O. *130
Leonard & McCoy, 118 Liberty St., New York.
Liddell & Co., Charlotte, N. C.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Litchfield Car & Machine Co., Litchfield, Ill.
Livermore Foundry & Machine Co., Memphis, Tenn
Geo. R. Lombard & Co., Augusta, Ga.
Harrison Loring, 1st bet. L. & M. Sts., S. Boston, Mass.
McEwen Bros., Wellsville, N. Y.
McIntosh, Seymour & Co., Auburn, N. Y.
Duncan Mackenzie, Trenton, N. J. *118
Mansfield Machine Works, Mansfield, O.
Mecklenburg Iron Works, Charlotte, N. C.
Milburn Gin & Machine Co., Memphis, Tenn.
Mitts & Merrill, E. Saginaw, Mich.
Montour Iron & Steel Co., Danville, Pa.
J. S. Mundy, Newark, N. J.
Murray Iron Works Co., Burlington, Iowa.
T. M. Nagle, Erie, Pa.
Nelsonville Foundry & Machine Co., Nelsonville, O.
New Albany Rail Mill Co., New Albany, Ind.
Nordyke & Marmon Co., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Oneida Iron Works, Oneida, N. Y.
Ottumwa Iron Works, Ottumwa, Iowa.
B. W. Payne & Sons, Elmira, N. Y.
Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.
Phœnix Iron Co., Trenton, N. J.
Phœnix Iron Works Co., Meadville, Pa.
Phœnix Iron Works, Cleveland, O.
Robert Poole & Son Co., Baltimore, Md. *132
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Portland Company, Portland, Me.
Providence Steam Engine Co., Providence, R. I.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Putnam Machine Co., Fitchburg, Mass.
Reading Iron Co., Reading, Pa.
Ribon & March, Jersey City, N. J.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
Richmond Locomotive & Machine Works, Richmond, Va.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Ritchie & Dyer Co., Hamilton, O.
Robinson & Co., Richmond, Ind.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
Russell & Co., Massillon, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Salem Iron Works, Salem, N. C.
Scheidler Machine Works, Newark, O.
Schofield Iron Works, Macon, Ga.
Shakspeare, Smith & Co., New Orleans, La.
Sinker-Davis Co., Indianapolis, Ind.
Skinner & Arnold, Albany, N. Y.
Skinner Engine Co., Erie, Pa.
H. B. Smith Machine Co., Smithville, N. J.
Southwark Fndry. & Mach.Co., Washn.Av. & S.5th St., Phila., Pa.
L. Spence, Martin's Ferry, O.
Stearns Mfg. Co., Erie, Pa.
Straight Line Engine Co., Syracuse, N. Y.
Struthers, Wells & Co., Warren, Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
A. J. Sweeney & Son, Wheeling, W. Va. *61
William Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Wm. Tod & Co., Youngstown, O.
Joseph C. Todd, Paterson, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Warfield Mfg. Co., Baltimore, Md.
Watertown Steam Engine Co., Watertown, N. Y. *169

	Watson & Stillman, 204 E. 43d St., New York.	
	Webster, Camp & Lane Machine Co., Akron, O.	*258–61
	Weston Engine Co., Painted Post, N. Y.	
	Westinghouse Machine Co., Pittsburgh, Pa.	
	West Point Foundry & Machine Works, West Point, Ga.	
	Robert Wetherill & Co., Chester, Pa.	
	Whelands Foundry & Machine Works, Chattanooga, Tenn.	
	Wilbraham Bros., 2518 Frankford Av., Philadelphia, Pa.	
	Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.	
	Winship Machine Co., Atlanta, Ga.	
	Wood, Taber & Morse, Eaton, N. Y.	
	Woodbury Engine Co., Rochester, N. Y.	
	Wm. Wright, Newburg, N. Y.	
	Zehm & Bro., Kutztown, Pa.	
1241. STEAM BOILERS.		
A. COIL BOILERS.	Herreshoff Mfg. Co., Bristol, R. I.	
	Charles Ward, Charleston, W. Va.	
B. CORNISH BOILERS.	Dickson Mfg. Co., Scranton, Pa.	
	Porter Boiler Mfg. Co., S. Chicago, Ill.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
C. CORNISH BOILERS, PORTABLE.	James Leffel & Co., Springfield, O.	*130
	B. W. Payne & Sons, Elmira, N. Y.	
D. DOUBLE FLUED BOILERS.	R. Munroe & Son, Pittsburgh, Pa.	*161
E. FARM ENGINE BOILERS.	Aultman & Taylor Co., Mansfield, O.	
	Atlas Engine Works, Indianapolis, Ind.	*134–7
	Blandy Machine Co., Zanesville, O.	
	Frick Co., Waynesboro', Pa.	*153
	Landis & Haverstick, Lancaster, Pa.	*164–7
	James Leffel & Co., Springfield, O.	*130
	Phœnix Iron Works Co., Meadville, Pa.	
	Portland Company, Portland, Me.	
F. FLUE BOILERS.	Atlas Engine Works, Indianapolis, Ind.	*134–7
	John Best, Lancaster, Pa.	*150
	Samuel Booth, 543 W. 35th St., New York.	
	J. I. Case Threshing Machine Co., Racine, Wis.	
	John S. Coleman, Baltimore, Md.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Frick Co., Waynesboro', Pa.	*153
	Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.	
	Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Landis & Haverstick, Lancaster, Pa.	*164–7
	Jas. Leffel & Co., Springfield, O.	*130
	Leffel Water Wheel & Engine Co., Springfield, O.	*133
	James Moore, N. 16th & Buttonwood Sts., Philadelphia, Pa.	
	Morris Machine Works, Baldwinsville, N. Y.	
	Phœnix Iron Co., Trenton, N. J.	
	Phœnix Iron Works Co., Meadville, Pa.	
	Porter Boiler Mfg. Co., S. Chicago, Ill.	
	Ribon & March, Jersey City, N. J.	
	Stearns Mfg. Co., Erie, Pa.	
	Taunton Locomotive Mfg. Co., Taunton, Mass.	
	Valk & Murdock Iron Works, Charleston, S. C.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Watertown Steam Engine Co., Watertown, N. Y.	*169
	Robert Wetherill & Co., Chester, Pa.	
G. HORIZONTAL BOILERS.	Atlas Engine Works, Indianapolis, Ind.	*134–7
	John Best, Lancaster, Pa.	*150
	Samuel Booth, 543 W. 35th St., New York.	
	Thomas Carlin's Sons, Allegheny, Pa.	
	Chandler & Taylor, Indianapolis, Ind.	
	Cleveland & Hardwick, Erie, Pa.	
	John S. Coleman, Baltimore, Md.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Fall River Machine Co., Fall River, Mass.	*103
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Frick Co., Waynesboro', Pa.	*153
	Griffith & Wedge Co., Zanesville, O.	
	Harrisburg Car Mfg. Co.(Fdry. & Mach. Dept.), Harrisburg, Pa.	
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Kensington Engine Wks., Ltd., Beach & Vienna Sts., Phila, Pa.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Landis & Haverstick, Lancaster, Pa.	*164–7
	James Leffel & Co.., Springfield, O.	*130
	Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.	
	Morris Machine Works, Baldwinsville, N. Y.	

Phœnix Iron Co., Trenton, N. J.
Robert Poole & Son Co., Baltimore, Md. *132
Porter Boiler Mfg. Co., S. Chicago, Ill.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Portland Company, Portland, Me.
Isaac Pott & Co., Lebanon, Pa.
Ronalds & Co., 54 Cliff St., New York.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Sinker-Davis Co., Indianapolis, Ind.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

H. LOCOMOTIVE BOILERS.

Atlas Engine Works, Indianapolis, Ind. *134–7
Bay State Iron Works, Erie, Pa.
John Best, Lancaster, Pa. *150
Samuel Booth, 543 W. 35th St., New York.
Brooks Locomotive Works, Dunkirk, N. Y.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
C. & G. Cooper & Co., Mount Vernon, O.
Dickson Mfg. Co., Scranton, Pa.
Erie City Iron Works, Erie, Pa. *140–7
Fall River Machine Co., Fall River, Mass. *103
S. C. Forsaith Machine Co., Manchester, N. H.
Frick Co., Waynesboro', Pa. *153
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
R. F. Hawkins Iron Works, Springfield, Mass.
E. Kendall Sons, Cambridgeport, Mass.
Kingsland & Douglas Mfg. Cy., 1521 N. 11th St., St. Louis, Mo.
Lane & Bodley Co., John & Water St., Cincinnati, O.
Landis & Haverstick, Lancaster, Pa. *164–7
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.
Mason Machine Works, Taunton, Mass.
Morris Machine Works, Baldwinsville, N. Y.
R. Munroe & Son, Pittsburgh, Pa. *161
Phœnix Iron Co., Trenton, N. J.
Pittsburgh Locomotive & Car Works, Pittsburgh, Pa.
Porter Boiler Mfg. Co., S. Chicago, Ill.
Portland Company, Portland, Me.
Remington Machine Co., Wilmington, Del.
Jas. Rees, Pittsburgh, Pa.
Ribon & March, Jersey City, N. J.
Richmond Locomotive & Machine Works, Richmond, Va.
Rogers Locomotive & Machine Works, Paterson, N. J.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

I. MARINE BOILERS.

Albany Steam Engine & Boiler Works, Albany, N. J.
Almy Water Tube Boiler Co., Providence, R. I.
P. Amerman & Son, Hartford, Conn.
Atlantic Works, 60 Border St., E. Boston, Mass.
John Best, Lancaster, Pa. *150
Samuel Booth, 543 W. 35th St., New York.
Brownell & Co., Dayton, O.
Chicago Steam Boiler Works, 56 Fullerton Av., Chicago, Ill.
Edward S. Clark, 392 Atlantic Av., Boston, Mass.
Cline Engine & Machine Works, Plymouth, O.
John S. Coleman, Baltimore, Md.
Fall River Machine Co., Fall River, Mass. *103
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
S. C. Forsaith Machine Co., Manchester, N. H.
Globe Iron Works, Cleveland, O.
Harrisburg Car Mfg. Co.(Fdry. & Mach. Dept.), Harrisburg, Pa.
Heipershausen Bros., 43 Tompkins St., New York.
Herreshoff Mfg. Co., Bristol, R. I.
E. Hodge & Co., 160 Liverpool St., E. Boston, Mass.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.
Harrison Loring, 1st bet. L & M Sts., Boston, Mass.
Landis & Haverstick, Lancaster, Pa. *164–7
R. Munroe & Son, Pittsburgh, Pa. *161
Porter Boiler Mfg. Co., S. Chicago, Ill.
Portland Company, Portland, Me.
Providence Steam Engine Co., Providence, R. I.
Jas. Rees, Pittsburgh, Pa.

Skinner & Arnold, Albany, N. Y.
Southwark Fdry.& Mach. Co., Washn. Av. & S.5th St., Phila., Pa.
A. J. Sweeney & Son, Wheeling, W. Va. *61
Taunton Locomotive Mfg. Co., Taunton, Mass.
Valk & Murdock Iron Works, Charleston, S. C.
Chas. Ward, Charleston-Kanawha, W. Va.
Robert Wetherill & Co., Chester, Pa.
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

J. OIL FUEL BOILERS.
R. Munroe & Son, Pittsburgh, Pa. *161
Racine Hardware Mfg. Co., Racine, Wis.

K. PORTABLE BOILERS.
Almy Water Tube Boiler Co., Providence, R. I.
P. Amerman & Son, Hartford, Conn.
Ames Iron Works, Oswego, N. Y.
Atlas Engine Works, Indianapolis, Ind. *134–7
John Best, Lancaster, Pa. *150
Samuel Booth, 543 W. 35th St., New York.
Thomas Carlin's Sons, Allegheny, Pa.
Chandler & Taylor Co., Indianapolis, Ind.
Cleveland & Hardwick, Erie, Pa.
John S. Coleman, Baltimore, Md.
Dickson Mfg. Co., Scranton, Pa.
Erie City Iron Works, Erie, Pa. *140–7
S. C. Forsaith Machine Co., Manchester, N. H.
Frick Co., Waynesboro', Pa. *153
Griffith & Wedge Co., Zanesville, O.
Harrisburg Car Mfg. Co. (Fdry & Mach. Dept.), Harrisburg, Pa.
Harrison Safety Boil. Wks., N.17thSt.&AlleghenyAv., Phila., Pa.
Byron Jackson, San Francisco, Cal.
Kensington Engine Wks., Ltd., Beach & Vienna Sts., Phila., Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Landis & Haverstick, Lancaster, Pa. *164–7
James Leffel & Co., Springfield, O. *130
Morris Machine Works, Baldwinsville, N. Y.
R. Munroe & Son, Pittsburgh, Pa. *161
Oil City Boiler Works, Oil City, Pa.
Phœnix Iron Co., Trenton, N. J.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Isaac Pott & Co., Lebanon, Pa.
Sinker-Davis Co., Indianapolis, Ind.
Struthers, Wells & Co., Warren, Pa.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Valk & Murdock Iron Works, Charleston, S. C.
Vulcan Iron Works, Wilkes Barre, Pa. *131

L. SAFETY BOILERS.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Erie City Iron Works, Erie, Pa. 140–7
Harrison Safety Boil. Wks., N.17thSt.&AlleghenyAv., Phila., Pa.
Hazelton Boiler Co., 716 E. 13th St., New York. *240
Heine Safety Boiler Co., 421 Olive St., St. Louis, Mo.
H. B. Smith Co., Westfield, Mass. *55

M. SECTIONAL BOILERS.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Hazelton Boiler Co., 716 E. 13th St., New York. *240
Ingalls & Kendricken, 80 Sudbury St., Boston, Mass.
B. W. Payne & Sons, Elmira, N. Y.
H. B. Smith Co., Westfield, Mass. *55

N. STATIONARY BOILERS.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
P. Amerman & Son, Hartford, Conn.
Atlantic Works, 60 Border St., E. Boston, Mass.
Atlas Engine Works, Indianapolis, Ind. *134–7
Babcock & Wilcox Co., 30 Cortlandt St., New York.
Bass Foundry & Machine Works, Fort Wayne, Ind.
John Best, Lancaster, Pa. *150
Blandy Machine Co., Zanesville, O.
Geo. F. Blake Mfg. Co., 95 Liberty St., New York.
Samuel Booth, 543 W. 35th St., New York.
Broomel, Schmidt & Co., York, Pa.
Buckeye Engine Co., Salem, O.
Buffalo Steam Engine Works, Buffalo, N. Y.
Chester Foundry & Machine Co., Chester, Pa.
S. E. Chubbuck & Sons, 971 Tremont St., Boston, Mass.
John S. Coleman, Baltimore, Md.
C. & G. Cooper & Co., Mount Vernon, O.
D. M. Dillon, Fitchburg, Mass.
Edge Moor Iron Co., Edge Moor, Del.
Erie City Iron Works, Erie, Pa. *140–7
Exeter Machine Works, Exeter, N. H.
Fall River Machine Co., Fall River, Mass. *103

Farrar & Trefts, Buffalo, N. Y.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Geo. Fox (Estate of), 511 W. 34th St., New York.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Frick Co., Waynesboro', Pa. *153
I. & E. Greenwald Co., 248 E. Pearl St., Cincinnati, O.
Griffith & Wedge Co., Zanesville, O.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Harrison Safety Boil. Wks., N. 17th St. & Allegheny Av., Phila., Pa.
R. F. Hawkins Iron Works, Springfield, Mass.
Hazelton Boiler Co., 716 E. 13th St., New York. *240
Heine Safety Boiler Co., 421 Olive St., St. Louis, Mo.
Hewes & Phillips Iron Works, Newark, N. J.
Heipershausen Bros., 43 Tompkins St., New York.
Byron Jackson, San Francisco, Cal.
Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St.. St. Louis, Mo.
Landis & Haverstick, Lancaster, Pa. *164–7
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Jas. Leffel & Co., Springfield, O. *130
Litchfield Car & Machine Co., Litchfield, Ill.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Wm. Lowe, Bridgeport, Conn.
John Mohr & Son, 32 Illinois St., Chicago, Ill.
Morris Machine Works, Baldwinsville, N. Y.
Henry G. Morris, 926 Drexel Building, Philadelphia, Pa.
Oil City Boiler Works, Oil City, Pa.
B. W. Payne & Sons, Elmira, N. Y.
Phœnix Iron Co., Trenton, N. J.
Phœnix Iron Works Co., Meadville, Pa.
Pittsburgh Locomotive & Car Works, Pittsburgh, Pa.
Pond Engineering Co., 707 Market St., St. Louis, Mo.
Porter Boiler Mfg. Co., S. Chicago, Ill.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Portland Company, Portland, Me.
Isaac Pott & Co., Lebanon, Pa.
Providence Steam Engine Co., Providence, R. I.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Geo. Reeves, Niles, O.
Remington Machine Co., Wilmington, Del.
Rhode Island Locomotive Works, Providence, R. I.
Richmond Locomotive & Machine Works, Richmond, Va.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Sinker-Davis Co., Indianapolis, Ind.
Skinner & Arnold, Albany, N. Y.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
Struthers, Wells & Co., Warren, Pa.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Tudor Boiler Mfg. Co., 244 E. Pearl St., Cincinnati, O.
Valk & Murdock Iron Works, Charleston, S. C.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Robert Wetherill & Co., Chester, Pa.
Chas. P. Willard Co., Clybourn & Southport Avs., Chicago, Ill.

O. STEAM GENERATORS.

Almy Water Tube Boiler Co., Providence, R. I.
Atlas Engine Works, Indianapolis, Ind. *134–7
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
H. B. Smith Co., Westfield, Mass. *55
Vulcan Iron Works, Wilkes Barre, Pa. *131
Chas. Ward, Charleston-Kanawha, W. Va.

P. STEEL BOILERS

Atlas Engine Works, Indianapolis, Ind. *134–7
John Best, Lancaster, Pa. *150
Samuel Booth, 543 W. 35th St., New York.
Erie City Iron Works, Erie, Pa. *140–7
R. F. Hawkins Iron Works, Springfield, Mass.
Knoxville Car Wheel Co., Knoxville, Tenn.
Landis & Haverstick, Lancaster, Pa. *164–7
Jas. Leffel & Co., Springfield, O. *130
Otis Steel Co., Ltd., Cleveland, O.
B. W. Payne & Sons, Elmira, N. Y.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Whittier Mach. Co., 1176 Tremont St., Boston, Mass.

Q. TUBULAR BOILERS.	Almy Water Tube Boiler Co., Providence, R. I.	
	Atlas Engine Works, Indianapolis, Ind.	*134–7
	John Best, Lancaster, Pa.	*150
	Samuel Booth, 543 W. 35th St., New York.	
	Chandler & Taylor Co., Indianapolis, Ind.	
	Cleveland & Hardwick, Erie, Pa.	
	C. & G. Cooper & Co., Mount Vernon, O.	
	Dickson Mfg. Co., Scranton, Pa.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Frick Co., Waynesboro', Pa.	*153
	Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.	
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Hewes & Philips Iron Works, Newark, N. J.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Jas. Leffel & Co., Springfield, O.	*130
	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	James Moore, N. 16th & Buttonwood Sts., Philadelphia, Pa.	
	Morris Machine Works, Baldwinsville, N. Y.	
	Phœnix Iron Co., Trenton, N. J.	
	Pierce Steam Heating Co., Buffalo, N. Y.	
	Robert Poole & Son Co., Baltimore, Md.	*132
	Porter Boiler Mfg. Co., S. Chicago, Ill.	
	Portland Company, Portland, Me.	
	Jas. Rees, Pittsburgh, Pa.	
	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Sharon Boiler Works, Sharon, Pa.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.	
	Stearns Mfg. Co., Erie, Pa.	
	Sulzer-Vogt Mach. Co., Louisville, Ky.	*168
	Taunton Locomotive Mfg. Co., Taunton, Mass.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Watertown Steam Eng. Co., Watertown, N. Y.	*169
	Robert Wetherill & Co., Chester, Pa.	
R. TUBULAR BOILERS, HORIZONTAL.	Ames Iron Works, Oswego, N. Y.	
	Atlas Engine Works, Indianapolis, Ind.	*134–7
	Bay State Iron Works, Erie, Pa.	
	Samuel Booth, 543 W. 35th St., New York.	
	Chandler & Taylor Co., Indianapolis, Ind.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Fall River Machine Co., Fall River, Mass.	*103
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Frick Co., Waynesboro', Pa.	*153
	R. F. Hawkins Iron Works, Springfield, Mass.	
	Hendey & Meyer Engineering Co., Denver, Col.	
	Hewes & Phillips Iron Wks., c. Orange & Ogden Sts., Newark, N. J.	
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	Jas. Leffel & Co., Springfield, O.	*130
	R. Munroe & Son, Pittsburgh, Pa.	*161
	B. W. Payne & Sons, Elmira, N. Y.	
	Phœnix Iron Works, Meadville, Pa.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Isaac Pott & Co., Lebanon, Pa.	
	Ribon & March, Jersey City, N. J.	
	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.	
	Sulzer Vogt Machine Co., Louisville, Ky.	*168
	Taunton Locomotive Mfg. Co., Taunton, Mass.	
	Geo. W. Tifft, Sons & Co., Buffalo, N. Y.	
	Valk & Murdock Iron Works, Charleston, S. C.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
S. TUBULAR BOILERS, MARINE.	Herreshoff Mfg. Co., Bristol, R. I.	
	E. Hodge & Co., 160 Liverpool St., E. Boston, Mass.	
	Almy Water Tube Boiler Co., Providence, R. I.	
	Samuel Booth, 543 W. 35th St., New York.	
	Fall River Machine Co., Fall River, Mass.	*103
	Portland Company, Portland, Me.	
	Isaac Pott & Co., Lebanon, Pa.	
	Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.	
T. TUBULAR BOILERS, VERTICAL.	Ames Iron Works, Oswego, N. Y.	
	John Best, Lancaster, Pa.	*150
	Samuel Booth, 543 W. 35th St., New York.	
	Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.	
	Thomas Carlin's Sons, Allegheny, Pa.	
	Chandler & Taylor Co., Indianapolis, Ind.	
	Cleveland & Hardwick, Erie, Pa.	

John S. Coleman, Baltimore, Md.
Robt. Deeley & Co., 507 W. 32d St., New York.
Dickson Mfg. Co., Scranton, Pa.
Erie City Iron Works, Erie, Pa. *140-7
Fall River Machine Co., Fall River, Mass. *103
S. C. Forsaith Machine Co., Manchester, N. H.
Frick Co., Waynesboro', Pa. *153
Griffith & Wedge Co., Zanesville, O.
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
R. F. Hawkins Iron Works, Springfield, Mass.
Hazelton Boiler Co., 716 E. 13th St., New York. *240
Hewes & Phillips Iron Wks., c. Orange & Ogden Sts., Newark, N. J.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Landis & Haverstick, Lancaster, Pa. *164-7
Jas. Leffel & Co., Springfield, O. *130
Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.
Morris Machine Works, Baldwinsville, N. Y.
R. Munroe & Son, Pittsburgh, Pa. *161
Oil City Boiler Works, Oil City, Pa.
B. W. Payne & Sons, Elmira, N. Y.
Phœnix Iron Co., Trenton, N. J.
Phœnix Iron Works, Meadville, Pa.
Robt. Poole, Son & Co., Baltimore, Md. *132
Porter Boiler Mfg. Co., S. Chicago, Ill.
Porter Mfg. Co., Ltd., Syracuse, N. Y.
Portland Company, Portland, Me.
Isaac Pott & Co., Lebanon, Pa.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Taunton Locomotive Mfg. Co., Taunton, Mass.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

U. TUBULOUS BOILERS.
Herreshoff Mfg. Co., Bristol, R. I.

V. WATER TUBE BOILERS.
Babcock & Wilcox Co., 30 Cortlandt St., New York.
Erie City Iron Works, Erie, Pa. *140-7
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Hazelton Boiler Co., 716 E. 13th St., New York. *240
Hendey & Meyer Engineering Co., Denver, Col.
Stirling Co., 608 Pullman Building, Chicago, Ill.

W. WELDED STEAM BOILERS.
Samuel Booth, 543 W. 35th St., New York.
Continental Iron Works, Calyer cor. West St., Brooklyn, N. Y.

X. YACHT BOILERS.
Samuel Booth, 543 W. 35th St., New York.
Newell Universal Mill Co., 136 Liberty St., New York.
C. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

1242. STEAM BOILER ACCESSORIES.

A. DOORS, ASH PIT.
J. E. Bolles & Co., Detroit, Mich.
Braumoeller & Mueller, 92 W. Van Buren St., Chicago, Ill.
Horne & Danz Co., St. Paul, Minn.
Phœnix Iron Co., Trenton, N. J.
Sinker-Davis Co., Indianapolis, Ind.
Wheeler Foundry Co., Worcester, Mass.

B. DOORS, BOILER.
Samuel Booth, 543 W. 35th St., New York.
Phœnix Iron Co., Trenton, N. J.
Sinker-Davis Co., Indianapolis, Ind.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wheeler Foundry Co., Worcester, Mass.

C. DOORS, FURNACE.
James L. Haven Co., 56 Plum St., Cincinnati, O.
Phœnix Iron Co., Trenton, N. J.
Sinker-Davis Co., Indianapolis, Ind.

D. BOILER FRONTS.
John Best, Lancaster, Pa. *150
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Cleveland & Hardwick, Erie, Pa.
Columbus Mfg. Co., Columbus, O.
Erie City Iron Works, Erie, Pa. *140-7
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Landis & Haverstick, Lancaster, Pa. *164-7
R. Munroe & Son, Pittsburgh, Pa. *161
Phœnix Iron Co., Trenton, N. J.
J. E. Randle & Co., Memphis, Tenn.
E. Rutzler, 178 Centre St., New York.
Sinker-Davis Co , Indianapolis, Ind.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Zehm & Bro., Kutztown, Pa.

E. BOILER TRIMMINGS.	John H. McGowan Co., 42 Central Av., Cincinnati, O.	
	Phœnix Iron Co., Trenton, N. J.	
F. BOILER WASHERS & TESTERS.	Rue Mfg. Co., 116 N. 9th St., Philadelphia, Pa.	
G. FEED WATER HEATERS.	Wm. Allen & Sons, Worcester, Mass.	
	Edward P. Allis, Milwaukee, Wis.	
	Wm. Baragwanath & Son, 48 W. Division St., Chicago, Ill.	
	I. B. Davis & Son, Hartford, Conn.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Feed Water Heater Co., St. Johnsbury, Vt.	
	Frick Co., Waynesboro', Pa.	*153
	Goubert Mfg. Co., 32 Cortlandt St , New York.	*155
	Harrison Safety B.Wks., N. 17th St. & Allegheny Av., Phila., Pa.	
	Hoppes Mfg. Co., Springfield, O.	
	Benj. F. Kelley & Son, 91 Liberty St., New York.	
	Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.	
	Kroeschell & Bourgeois, 41 Erie St., Chicago, Ill.	
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	Wm. Lowe, Bridgeport, Conn.	
	National Pipe Bending Co., New Haven, Conn.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Wm. L. Oakes, Decatur, Ill.	
	Phœnix Iron Co., Trenton, N. J.	
	Porter Mfg. Co., Ltd., Syracuse, N. Y.	
	Robinson & Cary Co., St. Paul, Minn.	
	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Wainwright Mfg. Co., 8 Oliver St., Boston, Mass.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	Robert Wetherill & Co., Chester, Pa.	
H. FEED WATER HEATERS, LIME EXTRACTING.	Kimble Engine Co., Kalamazoo, Mich.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
I. FEED WATER HEATERS & PURIFIERS.	Albany Steam Trap Co., Albany, N. Y.	
	Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.	
	Frontier Iron & Brass Works, Detroit, Mich.	
	National Pipe Bending Co., New Haven, Conn.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Wormer Machinery Co., 11 N. 7th St., St. Louis, Mo.	
	Worthington Pump. Eng. Co., 145 B'way, New York.	*241
J. FIRE FRONTS, BOILERS.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
K. FUSIBLE PLUGS.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	Connelly Iron Sponge & Governor Co., 111 B'way, New York.	
	Pratt & Cady Co., Hartford, Conn.	
	Van Duzen & Tifft Co., 102 E. 2d St., Cincinnati, O.	
L. GAUGE COCKS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	Boston Brass Co., 36 Oliver St., Boston, Mass.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	Dickson Mfg. Co., Scranton, Pa.	
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Jenkins Bros., 71 John St., New York.	
	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	Mayor, Lane & Co., 119 Walker St., New York.	
M. GAUGE COCKS, BALL.	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.	
N. GAUGE COCKS, MARINE.	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
O. GAUGE COCKS, SELF-CLEANING.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
P. GAUGE COCKS, SIPHON.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
Q. GRATE BARS, BOILER.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
R. HIGH & LOW WATER DETECTORS & ALARMS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Reliance Gauge Co., Cleveland, O,	
	T. Shaw, 915 Ridge Av., Philadelphia Pa.	
	Van Duzen & Tifft Co., 102 E. 2d St., Cincinnati, O.	
S. MECHANICAL STOKERS.	Brightman-Stoker Co., Cleveland, O.	
T. MUD DRUMS.	Dickson Mfg. Co., Scranton, Pa.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Sharon Boiler Works, Sharon, Pa.	
	Stearns Mfg. Co., Erie, Pa.	

U. OIL ELIMINATORS.	Hine & Robertson, 45 Cortlandt St., New York.	
V. REGULATORS, DAMPER.	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.	
	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	Harrisburg Boiler Mfg. Co., Harrisburg, Pa.	
	Knowles Loom Works, Worcester, Mass.	*175
	J. E. Lonergan & Co., 211 Race St , Philadelphia, Pa.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	Nason Mfg. Co., 71 Beekman St., New York.	
	H. W. Rice, San Francisco, Cal.	
	E. Rutzler, 178 Centre St., New York.	
	Union Water Meter Co., Worcester, Mass.	
W. REGULATORS, STEAM.	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Hazlet & Beman, Meadville, Pa.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	H. W. Rice, San Francisco, Cal.	
	Ross Valve Co., Troy, N. Y.	
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
	Worthington Pump. Eng. Co., 145 Broadway, New York.	*241
X. SMOKE CONSUMERS.	Hutchinson Furnace & Smoke Consuming Co., Chicago, Ill.	
Y. SMOKE & GAS CONSUMING FURNACES.	Brightman-Stoker Co., 201 River St., Cleveland, O.	
	Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.	
Z. SMOKE STACKS.	Samuel Booth, 543 W. 35th St., New York.	
	Dickson Mfg. Co., Scranton, Pa.	
	Erie City Iron Works, Erie, Pa.	*140–7
	Frick Co., Waynesboro', Pa.	*153
	Harrisburg Boiler Mfg. Co., Harrisburg, Pa.	
	Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.	
	Litchfield Car & Machine Co., Litchfield, Ill.	
	Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.	
	R. Munroe & Son, Pittsburgh, Pa.	*161
	Phœnix Iron Co., Trenton, N. J.	
	Wm. B. Pollock & Co., Youngstown, O.	
	Porter Boiler Mfg. Co., S. Chicago, Ill.	
	Portland Company, Portland, Me.	
	Geo. Reeves, Niles, O.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
AA. SMOKE STACK BONNETS.	Howard & Morse, 45 Fulton St., New York.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
BB. STEAM TRAPS.	Albany Steam Trap Co., Albany, N. Y.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.	
	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	Dickson Mfg. Co., Scranton, Pa.	
	Geo. Hawes & Sons, Providence, R. I.	
	Jenkins Bros., 71 John St., New York.	
	J. E. Lonergan & Co., 211 Race St., Philadelphia, Pa.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	Nason Mfg. Co., 71 Beekman St., New York.	
	Providence Steam Trap Co., Providence, R. I.	
	E. Rutzler, 178 Centre St., New York.	
	Schäffer & Budenberg, 18 Division St., Brooklyn, N. Y.	
	Huyett & Smith Mfg. Co., Detroit, Mich.	
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
	Walworth Mfg. Co , 16 Oliver St., Boston, Mass.	
	Watson & McDaniel, 144 N. 7th St., Philadelphia, Pa.	
CC. STEAM TRAPS, BALANCE VALVE.	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	H. W. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.	
DD. VALVES, AIR.	Belknap Mfg. Co., Bridgeport, Conn.	
	Boston Brass Co., 36 Oliver St., Boston, Mass.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	Eddy Valve Co., Waterford, N. Y.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Gurney Hot Water Heater Co., 63 Franklin St., Boston, Mass.	
	Jenkins Bros., 71 John St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Jas. P. Marsh & Co., 224 Washington St., Chicago, Ill.	
	H. B. Smith Co., Westfield, Mass.	*55
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
EE. VALVES, BACK PRESSURE.	Belknap Mfg. Co., Bridgeport, Conn.	
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	

Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Jenkins Bros., 71 John St., New York.
Locke Bros., Salem, Mass.
Pratt & Cady Co., Hartford, Conn.
F. A. Richardson (Estate of), Troy, N. Y.

FF. VALVES, CHECK.
Albany Steam Trap Co., Albany, N. Y.
Belknap Mfg. Co., Bridgeport, Conn.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
A. J. Fullmer & Co., Camden, N. J.
Jenkins Bros., 71 John St., New York.
Ludlow Valve Mfg. Co., Troy, N. Y.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Peet Valve Co., 163 Albany St., Boston, Mass.
R. R. Rouse, Indianapolis, Ind.
Wentworth Mfg. Co., 42 Batterymarch St., Boston, Mass.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

GG. VALVES, POP SAFETY.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.
Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.*128
Dickson Mfg. Co., Scranton, Pa.
J. E. Lonergan & Co., 211 Race St., Philadelphia, Pa.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.

HH. VALVES, MARINE POP SAFETY.
Ashton Valve Co., 271 Franklin St., Boston, Mass.

II. VALVES, SAFETY.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Ashton Valve Co., 271 Franklin St., Boston, Mass.
Belknap Mfg. Co., Bridgeport, Conn.
Boston Brass Co., 36 Oliver St., Boston, Mass.
Chapman Valve Mfg. Co., Indian Orchard, Mass. *37
Consolidated Safety Valve Co., Bridgeport, Conn.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Dickson Mfg. Co., Scranton, Pa.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Fort Wayne Safety Valve Co., Fort Wayne, Ind.
Jenkins Bros., 71 John St., New York.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
H. G. Trout & Co., Buffalo, N. Y.

JJ. VALVES, STEAMSHIP SAFETY.
Chapman Valve Mfg. Co., Indian Orchard, Mass. *37

KK. VALVES, WATER RELIEF.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.
Ashton Valve Co., 271 Franklin St., Boston, Mass.
Consolidated Safety Valve Co., 111 Liberty St., New York.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Curtis Regulator Co , 63 Beverly St., Boston, Mass.
Knowles Steam Pump Works, Warren, Mass.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.

LL. VERTICAL BOILER BASES.
Erie City Iron Works, Erie, Pa. *140–7
Zehm & Bro., Kutztown, Pa.

MM. WHISTLES, CHIME STEAM.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.

NN. WHISTLES, LOCOMOTIVE
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Dickson Mfg. Co., Scranton, Pa.

OO. WHISTLES, STEAM.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Ashton Valve Co., 271 Franklin St., Boston, Mass.
H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
A. J. Fullmer & Co., Camden, N. J.
W. T. Garratt & Co., San Francisco, Cal.
James Gregory, 106 Cannon St., New York.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.
McNab & Harlin Mfg. Co., Paterson, N. J.
Springfield Brass Co., Springfield, O.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.

PP. WHISTLES, STEAM GONG.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Union Water Meter Co., Worcester. Mass.

1243 STEAM ENGINE ACCESSORIES.

A. AIR PUMP & CONDENSERS COMBINED.
Edward P. Allis, Milwaukee, Wis.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188

B. AIR PUMPS & CONDENSERS, INDEPENDENT.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188

	Hughes Steam Pump Co., Cleveland, O.	
	Knowles Steam Pump Works, Warren, Mass.	
C. CONDENSERS.	Continental Iron Works, Calyer cor. West, Brooklyn, N. Y.	
	Dickson Mfg. Co., Scranton, Pa.	
	Gordon Steam Pump Co., Hamilton, O.	*188
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
	Wainwright Mfg. Co. of Mass., 8 Oliver St., Boston, Mass.	
	Worthington Pumping Engine Co., 145 B'way, New York.	*241
D. CONDENSERS, INDEPENDENT.	Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.	
	Gordon Steam Pump Co., Hamilton, O.	*188
	Hall Steam Pump Co., Allegheny, Pa.	
	Knowles Steam Pump Works, 93 Liberty St., New York.	
	Worthington Pumping Engine Co., 145 B'way, New York.	*241
E. CONDENSERS, JET.	Gordon Steam Pump Co., Hamilton, O.	*188
	Knowles Steam Pump Works, Warren, Mass.	
F. CYLINDER LUBRICATORS.	Crosby Steam Gage & V. Co., 95 Oliver St., Boston, Mass.	*128
	H. J. Delaney & Co., Milwaukee, Wis.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	Wm. Powell Co., 50 Plum St., Cincinnati, O.	
	Sherwood Mfg. Co., Buffalo, N. Y.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	Worthington Pumping Engine Co., 145 B'way, New York.	*241
G. CYLINDER LUBRICATORS, SIGHT FEED.	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	Lunkenheimer Brass Co., 11 E. 8th St., Cincinnati, O.	
	Wm. Powell Co., 50 Plum St., Cincinnati, O.	
	Sherwood Mfg. Co., Buffalo, N. Y.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
H. CYLINDER OIL PUMPS.	Felthousen & Sherwood, Buffalo, N. Y.	
	Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.	
I. ENGINEERS' APPLIANCES.	Thomas Shaw, 915 Ridge Av., Philadelphia, Pa.	
J. GOVERNORS, STEAM.	Albany Steam Trap Co., Albany, N. Y.	
	Edward P. Allis, Milwaukee, Wis.	
	Dickson Mfg. Co., Scranton, Pa.	
	Gardner Governor Co., Quincy, Ill.	
	J. Judson & Son, Rochester, N. Y.	
	Leonard & McCoy, 118 Liberty St., New York.	
	J. E. Lonergan & Co., 211 Race St., Philadelphia, Pa.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	Pickering Governor Co., Portland, Conn.	
	Portland Company, Portland, Conn.	
	Pratt & Cady Co., Hartford, Conn.	
	Remington Machine Co., Wilmington, Del.	
	Skinner Engine Co., Erie, Pa.	
	Wright Machine Co., Worcester, Mass.	
K. GREASE CUPS, CRANK PIN.	H. J. Delaney & Co., Milwaukee, Wis.	
L. INDICATORS, STEAM ENGINE.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
M. POLAR PLANIMETERS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.	
N. REVOLUTION COUNTERS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
O. SPEED INDICATORS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
P. SPEED RECORDERS.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
Q. SURFACE CONDENSERS.	Wainwright Mfg. Co. of Mass., 8 Oliver St., Boston, Mass.	
R. VACUUM APPARATUS.	Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.	
	Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.	
S. VACUUM GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.	
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.	
	Nathaniel Tufts, 153 Franklin St., Boston, Mass.	
	A. Weiskopf, 111 5th Av., Chicago, Ill.	

1244. STEAM ENGINE & LOCOMOTIVE PARTS.

A. CASTINGS, ENGINE.	Ensign Mfg. Co., Huntington, W. Va.	
	Erie City Iron Works, Erie, Pa.	*140–7
	A. L. Ide & Son, Springfield, Ill.	

	J. Judson & Son, Rochester, N. Y.	
	Mowry Car Wheel Works, Eastern Av. & Lewis St., Cin., O.	
	Novelty Iron Works, Dubuque, Iowa.	
	Ottumwa Iron Works, Ottumwa, Iowa.	
	Pittsburgh Steel Casting Co., Pittsburgh, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Watts-Campbell Co., Newark, N. J.	
	E. A. Williams & Son, Jersey City, N. J.	
B. CASTINGS, LOCOMOTIVE.	Lake Shore Foundry, Cleveland, O.	
	Lobdell Car Wheel Co., Wilmington, Del.	
	New York Car Wheel Works, Buffalo, N. Y.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Solid Steel Co., Alliance, O.	
	Taunton Locomotive Mfg. Co., Taunton, Mass.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
C. CONNECTING RODS.	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Dugar Engine & Rod Co., Cedartown, Ga.	
	Eastern Forge Co., E. Deering, Me.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Morden Frog & Crossing Works, S. Chicago, Ill.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Topliff & Ely, Elyria, O.	
D. CRANKS.	Dickson Mfg. Co., Scranton, Pa.	
	Pittsburgh Steel Casting Co., Pittsburgh, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Syracuse Steel Foundry Co., Syracuse, N. Y.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
E. CRANK PINS.	Eastern Forge Co., E. Deering, Me.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.,	
	New Albany Forge & Rolling Mill Co., New Albany, Ind.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
F. CRANK SHAFTS.	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
G. CROSS HEADS.	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Syracuse Steel Foundry Co., Syracuse, N. Y.	
H. CROSS HEADS, LOCOMOTIVE.	Pratt & Letchworth, Buffalo, N. Y.	
	Solid Steel Co., Alliance, O.	
I. CYLINDERS, ENGINE.	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Wheeler Foundry Co., Worcester, Mass.	
J. CYLINDERS, LOCOMOTIVE.	John H. Bass, 97 Dearborn St., Chicago, Ill.	
	Dickson Mfg. Co., Scranton, Pa.	
K. DRIVING BOXES, LOCOMOTIVE.	Solid Steel Co., Alliance, O.	
L. FITTINGS, LOCOMOTIVE.	The E. S. Greeley & Co., 5 Dey St., New York.	
M. FOLLOWERS, LOCOMOTIVE.	Solid Steel Co., Alliance, O.	
	Taunton Locomotive Mfg. Co., Taunton, Mass.	
N. FORGINGS, LOCOMOTIVE.	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Cleveland City Forge & Iron Co., Cleveland, O.	
	Otis Steel Co., Ltd., Cleveland, O.	
	Paterson Iron Co., Paterson, N. J.	
	Taylor Iron Works, High Bridge, N. J.	
O. FRAMES, LOCOMOTIVE.	Cleveland City Forge & Iron Co., Cleveland, O.	
	Eastern Forge Co., E. Deering, Me.	
	N. W. Talcott Axle Works, Springfield, Mass.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
P. LOCOMOTIVE SPRINGS, ELLIPTIC.	Detroit Steel & Spring Co., Detroit, Mich.	
	A. French Spring Co., Pittsburgh, Pa.	
Q. LOCOMOTIVE SPRINGS, SPIRAL.	Detroit Steel & Spring Co., Detroit, Mich.	
	Morgan Spring Co., Worcester, Mass.	
R. PISTONS.	Dickson Mfg. Co., Scranton, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Solid Steel Co., Alliance, O.	
	Tripp Mfg. Co., 180 Summer St., Boston, Mass.	
S. PISTONS, LOCOMOTIVE.	Pratt & Letchworth, Buffalo, N. Y.	
	Solid Steel Co., Alliance, O.	
T. PISTON HEADS.	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
U. PISTON RODS.	Dickson Mfg. Co., Scranton, Pa.	
	Eastern Forge Co., E. Deering, Me.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Taunton Copper Mfg. Co., Taunton, Mass.	*51
V. ROCKER SHAFTS, LOCOMOTIVE.	Pratt & Letchworth, Buffalo, N. Y.	

Solid Steel Co., Alliance, O.

W. STEAM ENGINE TRIMMINGS.
Haydenville Mfg. Co., 73 Beekman St., New York.
Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
Springfield Brass Co., Springfield, O.

X. VALVES, LOCOMOTIVE.
Ashton Valve Co., 271 Franklin St., Boston, Mass.

Y. VALVES, PORTABLE ENGINE.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.

Z. VALVES, STEAM ENGINE.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Eaton, Cole & Burnham Co., 82 Fulton St., New York.

AA. VALVES, THROTTLE.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Dickson Mfg. Co., Scranton, Pa.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.

1245. STEAM POWER PLANTS, COMPLETE.

Edward P. Allis, Milwaukee, Wis.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Fraser & Chalmers Union & Fulton Sts., Chicago, Ill.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Hewes & Phillips Iron Works, Newark, N. J.
John T. Noye Mfg. Co., Buffalo, N. Y.
Portland Company, Portland, Me.

1246. STRAIGHT LINE STEAM ENGINES.

M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Watertown Steam Eng. Co., Watertown, N. Y. *169

1247. TOWING MACHINES.

Am. Ship Windlass Co., Providence, R. I. *119

1248. TRACTION ENGINES.

Advance Thresher Co., Battle Creek, Mich.
Ames Iron Works, Oswego, N. Y.
C. Aultman & Co., Canton, O. *104-13
Aultman & Taylor Co., Mansfield, O.
Benicia Agricultural Works, Benicia, Cal.
Birdsall Co., Auburn, N. Y.
J. I. Case Threshing Machine Co., Racine, Wis.
C. & G. Cooper & Co., Mount Vernon, O.
John S. Davis' Sons, Davenport, Iowa.
Eagle Machine Works Co., Indianapolis, Ind.
A. B. Farquhar & Co., York, Pa.
Frick Co., Waynesboro', Pa. *153
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro', Pa.
Hagerstown Steam Engine & Machine Co., Hagerstown, Md.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Harrison Machine Works, Belleville, Ill.
Heilman Machine Works, Evansville, Ind.
Huber Mfg. Co., Marion, O.
D. June & Co., Fremont, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Lansing Iron & Engine Works, Lansing, Mich.
Marion Mfg. Co., Marion, O.
Minneapolis Threshing Machine Co., Minneapolis, Minn.
Nichols & Shepard Co., Battle Creek, Mich.
Orrville Machine Co., Orrville, O.
Pitts Agricultural Works, Buffalo, N. Y.
Port Huron Eng. & Thresher Co., Upton Works, Mich.
Ritchie & Dyer Co., Hamilton, O.
Robinson & Co., Richmond, Ind.
M. Rumely Co., La Porte, Ind.
Russell & Co., Massillon, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Scheidler Machine Works, Newark, O.
L. Spence, Martin's Ferry, O.
A. W. Stevens & Son, Auburn, N. Y.
Watertown Steam Engine Co., Watertown, N. Y. *169
Westinghouse Co., Schenectady, N. Y.
Wood, Taber & Morse, Eaton, N. Y.

A. STRAW BURNING TRACTION ENGINES.
C. Aultman & Co., Canton, O. *104-13
Benicia Agricultural Works, Benicia, Cal.
J. I. Case Threshing Machine Co., Racine, Wis.
Nichols & Shepard Co., Battle Creek, Mich.
Russell & Co., Massillon, O.

1249. VERTICAL STEAM ENGINES.

Edward P. Allis, Milwaukee, Wis.
Bay State Iron Works, Erie, Pa.
John Best, Lancaster, Pa. *150

	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	D. H. Burrell & Co., Little Falls, N. Y.	
	Carlisle Mfg. Co., Carlisle, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.	
	Fitchburg Steam Engine Co., Fitchburg, Mass.	
	Landis & Haverstick, Lancaster, Pa.	*164-7
	James Leffel & Co., Springfield, O.	*130
	Chas. Millar & Sons, Utica, N. Y.	
	Morris Machine Works, Baldwinsville, N. Y.	
	Murray Iron Works Co., Burlington, Iowa.	
	T. M. Nagle, Erie, Pa.	
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.	
	Pacific Iron Works, San Francisco, Cal.	
	B. W. Payne & Sons, Elmira, N. Y.	
	Pittsburgh Electric Co., Pittsburgh, Pa.	
	Reading Iron Co., Reading, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.	
1250. WATER WHEELS.		
A. IRON WATER WHEELS.	Geo. L. Squier Mfg. Co., Buffalo, N. Y.	
B. MINING WATER WHEELS.	Lane Mfg. Co., Montpelier, Vt.	*192-5
	James Leffel & Co., Springfield, O.	*130
	Leffel Water Wheel & Engine Co., Springfield, O.	*133
	Ribon & March, Jersey City, N. J.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
C. SECTIONAL TURBINE WHEELS.	Leffel Water Wheel & Engine Co., Springfield, O.	*133
D. SECTIONAL WATER WHEELS.	Leffel Water Wheel & Engine Co., Springfield, O.	*133
E. TURBINE WATER WHEELS.	S. Adams & Son, Rome, N. Y.	
	T. C. Alcott & Son, Mount Holly, N. J.	
	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Case Wheel & Mill Co., Bristol, Conn.	
	Chase Turbine Mfg. Co., Orange, Mass.	
	Gates Curtis, Ogdensburgh, N. Y.	
	De Loach Mill Mfg. Co., Atlanta, Ga.	
	Fales & Jenks Machine Co., Pawtucket, R. I.	
	Flenniken Turbine Co., Dubuque, Iowa.	
	Fulton Iron Works, San Francisco, Cal.	
	Genesee Valley Mfg. Co., Mount Morris, N. Y.	
	Joshua Hendy Machine Works, San Francisco, Cal.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones Sons & Co., Pittsfield, Mass.	
	Kilburn, Lincoln & Co., Fall River, Mass.	
	Lane Mfg. Co., Montpelier, Vt.	*192-5
	James Leffel & Co., Springfield, Mass.	*130
	Leffel Water Wheel & Engine Co., Springfield, O.	*133
	Mecklenburg Iron Works, Charlotte, N. C.	
	Wm. F. Mosser, Allentown, Pa.	
	Novelty Iron Works, Dubuque, Iowa.	
	Pelton Water Wheel Co., 120 First St., San Francisco, Cal.	
	Robert Poole & Sons Co., Baltimore, Md.	*132
	Rodney Hunt Machine Co., Orange, Mass.	
	Rome Foundry & Machine Works, Rome, Ga.	
	B. H. & J. Sanford, Sheboygan Falls, Wis.	
	Schaeffer, Merkel & Co., Fleetwood, Pa.	
	Sergeant Mfg. Co., Greensboro', N. C.	
	S. Morgan Smith, York, Pa.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	John Tyler, Claremont, N. H.	
	Variety Iron Works, York, Pa.	
	Wheland Foundry & Machine Works, Chattanooga, Tenn.	
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.	
	Zehm & Bro., Kutztown, Pa.	
F. TURBINE WHEEL PENSTOCKS.	R. F. Hawkins, Springfield, Mass.	
	James Leffel & Co., Springfield, O.	*130
	Leffel Water Wheel & Engine Co., Springfield, O.	*133
	Scannell & Wholey, Lowell, Mass.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
G. TWIN WATER WHEELS.	Leffel Water Wheel & Engine Co., Springfield, O.	*133
H. WATER WHEEL GOVERNORS.	Gillespie Governor Co., 380 Atlantic Av., Boston, Mass.	
	Holyoke Machine Co., Holyoke, Mass.	
	James Leffel & Co., Springfield, O.	*130
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163

1251. WIND MILLS.

Wright Machine Co., Worcester, Mass.
Aera Wind Engine & Pump Co., Henry, Ill.
Althouse Wheeler Co., Waupun, Wis.
American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Avery Planter Co., Peoria, Ill.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Clark & Co., Somonauck, Ill.
G. D. Colton & Co., Galesburg, Ill.
Andrew J. Corcoran, 76 John St., New York.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Decorah Wind Mill Co., Decorah, Iowa.
Dempster Mill Mfg. Co., Beatrice, Neb.
R. J. Douglas Co., Waukegan, Ill.
Duplex Wind Mill Co., Brooklyn, Wis.
Eagle Mfg. Co., Decatur, Ind.
Eclipse Wind Engine Co., Beloit, Wis.
Elgin Wind Power & Pump Co., Elgin, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Goodhue Wind Engine Co., St. Charles, Ill.
Hagerstown Iron Works, Hagerstown, Md.
Hess, Snyder & Co., Massillon, O.
Byron Jackson, San Francisco, Cal.
Jones, Woodruff & Co., Rockford, Ill.
F. W. Krogh & Co., San Francisco, Cal.
J. H. McLain Machine Co., Canton, O. *115
Marseilles Mfg. Co., Marseilles, Ill.
Mast, Foos & Co., Springfield, O.
May Bros., Galesburg, Ill.
C. H. Miller, Millington, Ill.
Moline Pump Co., Moline, Ill.
Monitor Mfg. Co., Auburn, Ind.
Perkins Wind Mill & Axe Co., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Sandwich Enterprise Co., Sandwich, Ill.
Smith & Pomeroy, Kalamazoo, Mich.
Springer & Gregory, Rockford, Ill.
Springfield Machine Co., Springfield, O.
Stearns Mfg. Co., Los Angeles, Cal.
Stover Mfg. Co., Freeport, Ill.
John Stowall, Stockton, Cal.
Sunflower Windmill Co., Topeka, Kan.
Superior Machine Co., Springfield, O.
Topeka Wind Mill Mfg. Co., Topeka, Kan.
Truman, Hooker & Co., San Francisco, Cal.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Williams Mfg. Co., Kalamazoo, Mich.
Winchester & Partridge Mfg. Co., Whitewater, Wis.
E. B. Winger, Freeport, Ill.
F. W. Winter & Co., Faribault, Minn.
Woodin & Little, San Francisco, Cal.
Woodmansee & Hewitt Mfg. Co., Freeport, Ill.
Zimmerman Mfg. Co., Auburn, Ind.

A. IRON WIND MILLS.

American Well Works, Aurora, Ill.
Eclipse Wind Engine Co., Beloit, Wis.
Springfield Machine Co., Springfield, O.

B. IRON TURBINE WIND MILLS.

Mast, Foos & Co., Springfield, O.

C. WIND MILL POWER ATTACHMENTS.

American Well Works, Aurora, Ill.
Eclipse Wind Engine Co., Beloit, Wis.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Springfield Machine Co., Springfield, O.

D. WIND MILL REGULATORS.

Eclipse Wind Engine Co., Beloit, Wis.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Zimmerman Mfg. Co., Auburn, Ind.

1252. WINDING ENGINES.

Atlas Engine Works, Indianapolis, Ind. *134–7
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Copeland & Bacon, 85 Liberty St., New York.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Griffith & Wedge Co., Zanesville, O.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
J. S. Mundy, Newark, N. J.

Ottumwa Iron Works, Ottumwa, Iowa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1253. YACHT ENGINES.

A. NAPHTHA YACHT ENGINES.

Gas Engine & Power Co., Morris Dock Station, N. Y.

B. STEAM YACHT ENGINES.

F. S. & G. L. Brown, Baltimore, Md.
Herreshoff Mfg. Co., Bristol, R. I.
Newell Universal Mill Co., 136 Liberty St., New York.
N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
Racine Hardware Mfg. Co., Racine, Wis.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133.
Webb & Watson, 17 Border St., E. Boston, Mass.
C. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.

POWER TRANSMISSION.

1254. BELT TIGHTENERS.

Akron Iron Co., Akron, O.
Barnard & Leas Mfg. Co., Moline, Ill.
A. & F. Brown, 44 Park Place, New York.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.

1255. CLUTCHES.

A. CLUTCH PLATES.

Dickson Mfg. Co., Scranton, Pa.

B. FRICTION CLUTCHES.

Akron Iron Co., Akron, O.
John C. Blevney, Newark, N. J.
A. & F. Brown, 44 Park Place, New York.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cranston & Co., 57 Park St., New York.
Geo. W. Cresson, Allegheny Av. cor. N. 18th St., Phila., Pa.
Dickson Mfg. Co., Scranton, Pa.
Eclipse Wind Engine Co., Beloit, Wis.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Hill Clutch Works, Cleveland, O.
James Hunter Machine Co., N. Adams, Mass.
Kinyon Bros., Raritan, N. J.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
McMyler Mfg. Co., Cleveland, O.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Robert Poole & Son Co., Baltimore, Md. *132
Southwark Fdry & Mach. Co., Washn. Av. & S. 5th St., Phila., Pa.
Springfield Foundry Co., Springfield, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walker Mfg. Co., Cleveland, O.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.
Yale & Towne Mfg. Co., Stamford, Conn.

C. SPRING CLUTCHES.

Link Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.

D. UMBRELLA FRICTION CLUTCHES.

Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1256. COUPLINGS.

Adams & Price Locomotive & Machine Works, Nashville, Tenn.
J. B. Allfree Co., Indianapolis, Ind.
American Card Clothing Co., Worcester, Mass. *138
Barnard & Leas Mfg. Co., Moline, Ill.
A. & F. Brown, 44 Park Place, New York.
Case Mfg. Co., Columbus, O.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Defiance Machine Works, Defiance, O.
Dickson Mfg. Co., Scranton, Pa.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. B. Ehrsam Machine Co., Enterprise, Kan.
Ellicott Machine Co., Baltimore, Md.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frank & Co., Buffalo, N. Y.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Geo. R. Lombard & Co., Augusta, Ga.
C. F. McMurray, Troy, N. Y.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Peck Bros. & Co., New Haven, Conn.
Phœnix Iron Co., Trenton, N. J.
Robert Poole & Son Co., Baltimore, Md. *132

	Rowley & Hermance, Williamsport, Pa.	*196
	Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
	James Smith Woolen Machine Co., 411 Race St., Phila., Pa.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Walker Mfg. Co., Cleveland, O.	
	Wilcox & Howe, Birmingham, Conn.	
A. CLUTCH COUPLINGS.	Akron Iron Co., Akron, O.	
	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Frick Co., Waynesboro', Pa.	*153
	Jones & Laughlins, Ltd., Pittsburgh, Pa.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
B. COMPRESSION COUPLINGS.	W. H. Nicholson & Co., Wilkes Barre, Pa.	
C. CUT-OFF COUPLINGS.	H. N. Bates & Co., 120 Pearl St., Boston, Mass.	
	F. E. Cudell, Cleveland, O.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	D. Frisbie Co., New Haven, Conn.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
D. FACE COUPLINGS.	Frick Co., Waynesboro', Pa.	*153
E. FRICTION CLUTCH CUT-OFF COUPLINGS.	Akron Iron Co., Akron, O.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	D. Frisbie Co., New Haven, Conn.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
F. FRICTION COUPLINGS.	Akron Iron Co., Akron, O.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
G. UNIVERSAL JOINT COUPLINGS.	A. & F. Brown, 44 Park Place, New York.	
	Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
1257. FLY WHEELS.	Dickson Mfg. Co., Scranton, Pa.	
	Jones & Laughlins, Ltd., Pittsburgh, Pa.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
1258. FRICTION WHEELS.	Dickson Mfg. Co., Scranton, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
A. FRICTION CONES.	Evans Friction Cone Co., 85 Water St., Boston, Mass.	
	Osgood & Barker, Bellows Falls, Vt.	
1259. GEARING.	Albany Agricultural Works, Albany, N. Y.	
	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Birmingham Iron Foundry, Birmingham, Conn.	
	Chase Turbine Mfg. Co., Orange, Mass.	
	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Cyrus Currier & Sons, Newark, N. J.	
	J. B. Ehrsam Machine Co., Enterprise, Kan.	
	Fairmount Machine Co., 22d & Wood St., Philadelphia, Pa.	
	Fisher Foundry & Machine Co., Pittsburgh, Pa.	
	Franklin Machine Co., Providence, R. I.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Kilburn, Lincoln & Co., Fall River, Mass.	
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Jas. Leffel & Co., Springfield, O.	*130
	Link-Belt Machinery Co., 39th & Stewart Sts., Chicago, Ill.	
	Lowell Machine Shop, Lowell, Mass.	
	Mansfield Machine Works, Mansfield, O.	
	Munson Bros., Utica, N. Y.	
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind.	*208
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Robert Poole & Son Co., Baltimore, Md.	*132
	Portland Company, Portland, Me.	
	Richmond City Mill Works, Richmond, Ind.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Walker Mfg. Co., Cleveland, O.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
	Wheland Foundry & Machine Works, Chattanooga, Tenn.	
	West Point Foundry & Machine Works, West Point, Ga.	
A. ANGLE PLATES & BEARINGS.	Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Robt. Poole & Son Co., Baltimore, Md.	*132

B. BEVEL GEARS.	Brown & Sharpe Mfg. Co., Providence, R. I.	
	Chester Steel Castings Co., 407 Liberty St., Philadelphia, Pa.	
	Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Portland Company, Portland, Me.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
C. CAST GEARS.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Dickson Mfg. Co., Scranton, Pa.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Portland Company, Portland, Me.	
	Pratt & Letchworth, Buffalo, N. Y.	
	John E. Randle & Co., Memphis, Tenn.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
D. CAST RACKS.	Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Lawrence Machine Co., Lawrence, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton. N. J.	
	Portland Company, Portland, Me.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
E. DOUBLE HELICAL GEARING.	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
F. FRICTION GEARING.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Dickson Mfg. Co., Scranton, Pa.	
	J. B. Ehrsam Machine Co., Enterprise, Kan.	
	Evans Friction Cone Co., 85 Water St., Boston, Mass.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Link-Belt Machinery Co., 11 S. Jefferson St., Chicago, Ill.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
G. GEAR WHEELS.	Brown & Sharpe Mfg. Co., Providence, R. I.	
	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Garvin Machine Co., 9 Laight St., New York.	
	Gould & Eberhardt, Newark, N. J.	
	Edwin Harrington Son & Co., N. 15th St. & Penn. Av., Phila., Pa.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind.	*208
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Paige Mfg. Co., Painesville, O.	*130
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Portland Company, Portland, Me.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
H. GEARING WORMS.	Robert Poole & Son Co., Baltimore, Md.	*132
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
I. HELICAL GEARING.	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
J. HUNTING TOOTH GEARING.	Robt. Poole & Son Co., Baltimore, Md.	*132
K. INTERNAL GEARING.	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Robt. Poole & Son Co., Baltimore, Md.	*132

L. MACHINE MOLDED GEARING.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Robt. Poole & Son Co., Baltimore, Md.	*132
M. MILL GEARING.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	American Card Clothing Co., Worcester, Mass.	*138
	Baugher, Kurtz & Stewart, York, Pa.	
	Bristol Foundry & Mach. Works, Bristol, Tenn.	
	Case Mfg. Co., Columbus, O.	
	Cleveland Ship Building Co., Cleveland, O.	
	Columbus Iron Works Co., Columbus, Ga.	
	Defiance Machine Works, Defiance, O.	
	De Loach Mill Mfg. Co., Atlanta, Ga.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.	
	Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Lawrence & Chapin, Kalamazoo, Mich.	
	Nordyke & Marmon Co., Indianapolis, Ind.	*208
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Schaffer, Merkel & Co., Fleetwood, Pa.	
	Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.	
	S. Morgan Smith, York, Pa.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Robert Wetherill & Co., Chester, Pa.	
	Ypsilanti Machine Works, Ypsilanti, Mich.	
	Zehm & Bro., Kutztown, Pa.	
N. MITRE GEARING.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa	
	Holyoke Machine Co., Holyoke, Mass.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Portland Company, Portland, Me.	
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
O. MORTISE GEARS.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Dickson Mfg. Co., Scranton, Pa.	
	Holyoke Machine Co., Holyoke, Mass.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Stilwell & Bierce Mfg. Co., Dayton, O.	*163
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
P. PINIONS.	Birmingham Iron Foundry, Birmingham, Conn.	
	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Holyoke Machine Co., Holyoke, Mass.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Pittsburgh Steel Casting Co., Pittsburgh, Pa.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
Q. RATCHET WHEELS.	Dickson Mfg. Co., Scranton, Pa.	
R. SHROUDED GEARING.	Dickson Mfg. Co., Scranton, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
S. SPUR GEARING.	Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.	
	Dickson Mfg. Co., Scranton, Pa.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Holyoke Hydrant & Iron Works, Holyoke, Mass.	
	Holyoke Machine Co., Holyoke, Mass.	
	Link-Belt Machinery, 39th St. & Stewart Av., Chicago, Ill.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Robert Poole & Son Co., Baltimore, Md.	*132

Portland Company, Portland, Me.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131

T. STEEL GEARS.
Pratt & Letchworth, Buffalo, N. Y.
Syracuse Steel Foundry Co., Syracuse, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

U. STEEL PINIONS.
Pratt & Letchworth, Buffalo, N. Y.
Syracuse Steel Foundry Co., Syracuse, N. Y.

V. WOOD COGGING.
N. P. Bowsher, South Bend, Ind.
J. B. Ehrsam Machine Co., Enterprise, Kan.
Munson Bros., Utica, N. Y.
John T. Noye Mfg. Co., Buffalo, N. Y.
Phenix Iron Foundry, Providence, R. I.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

W. WORM WHEELS.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Phenix Iron Foundry, Providence, R. I.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1260. GUDGEONS.
A. & F. Brown, 44 Park Place, New York.

1261. GUIDE PULLEY STANDS.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
C. F. McMurray, Troy, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1262. HANGERS.
Adams & Price Locomotive & Machine Works, Nashville, Tenn.
Ainslie, Cochrane & Co., Louisville, Ky.
Akron Iron Co., Akron, O.
Allentown Foundry & Machine Co., Allentown, Pa. *128
J. B. Allfree Co., Indianapolis, Ind.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
American Card Clothing Co., Worcester, Mass. *138
Barnard & Leas Mfg. Co., Moline, Ill.
Baugher, Kurtz & Stewart, York, Pa.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Birmingham Iron Foundry, Birmingham, Conn.
A. & F. Brown, 44 Park Place, New York.
Carlisle Mfg. Co., Carlisle, Pa.
Case Mfg. Co., Columbus, O.
Clot & Meese, San Francisco, Cal.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Defiance Machine Works, Defiance, O.
Dickson Mfg. Co., Scranton, Pa.
Benj. Eastwood, Paterson, N. J.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Egan Co., 232 W. Front St., Cincinnati, O. *178
Ellicott Machine Co., Baltimore, Md.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Fall River Machine Co., Fall River, Mass. *103
Fisher Foundry & Machine Co., Pittsburgh, Pa.
Frank & Co., Buffalo, N. Y.
Franklin Machine Co., Providence, R. I.
Frick Co., Waynesboro', Pa. *153
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Frost Mfg. Co., Galesburg, Ill.
M. Garland, Bay City, Mich.
P. H. Glatfelter, Spring Forge, Pa.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Joshua Hendy Machine Works, San Francisco, Cal.
Hill Machine Works, Florence, Mass. *157
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Kilburn, Lincoln & Co., Fall River, Mass.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Victor Knecht, 195 Wade St., Cincinnati, O.
Knowlson & Kelley, Troy, N. Y.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lane & Bodley, John & Water Sts., Cincinnati, O.
Leonard & McCoy, 118 Liberty St., New York.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.

Geo. R. Lombard & Co., Augusta, Ga.
C. F. McMurray, Troy, N. Y.
Duncan Mackenzie, Trenton, N. J. *118
Marshall Bros., Pittsburgh, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Novelty Iron Works, Dubuque, Iowa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Pacific Iron Works, Bridgeport, Conn.
Paige Mfg. Co., Painesville, O. *130
Palmer, Cunningham & Co., Ltd., 607 Market St., Phila., Pa.
J. W. Penfield & Son, Willoughby, O.
Phenix Iron Foundry, Providence, R. I.
Phœnix Iron Co., Trenton, N. J.
Robert Poole & Son Co., Baltimore, Md. *132
Portland Company, Portland, Me.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
P. Pryibil, 524 W. 41st St., New York. *152
John E. Randle & Co., Memphis, Tenn.
Ritchie & Dyer Co., Hamilton, O.
Rowley & Hermance, Williamsport, Pa. *196
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
S. Morgan Smith, York, Pa.
Jas. Smith, Woolen Machinery Co., 411 Race St., Phila., Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Tolhurst Machine Co., Troy, N. Y.
Valk & Murdock Iron Works, Charleston, S. C.
Variety Iron Works, York, Pa.
Walker Mfg. Co., Cleveland, O.
Warfield Mfg. Co., Baltimore, Md.
Waterbury Farrel Foundry & Machine Co., Waterbury, Con.
Watson Machine Co., Paterson, N. J.
Wheeler Foundry Co., Worcester, Mass.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.
T. B. Wood & Sons, Chambersburgh, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177
Ypsilanti Machine Works, Ypsilanti, Mich.

A. GIRDER CLAMPS.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

B. HANGER BOXES.
Akron Iron Co., Akron, O.
Fairmount Machine Co., 22d & Wood St., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

C. HANGER BOXES, SELF-OILING.
A. & F. Brown, 44 Park Place, New York.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
N. Shaw & Co., Eau Claire, Wis.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

D. PARTING HANGERS.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

E. POST HANGERS.
Defiance Machine Works, Defiance, O.
Dickson Mfg. Co., Scranton, Pa.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frick Co., Waynesboro', Pa. *153
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Victor Knecht, 195 Wade St., Cincinnati, O.
Lane Mfg. Co., Montpelier, Vt. *192–5
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Paige Mfg. Co., Painesville, O. *130
Phenix Iron Foundry, Providence, R. I.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

F. SELF-OILING HANGERS.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1263. JOURNAL BEARINGS.

Ajax Metal Co., 34 Richmond St., Philadelphia, Pa.
Aluminum Brass & Bronze Co., 53 Chambers St., New York.

Atlas Bronze & Tuyere Co., Pittsburgh, Pa.
A. & F. Brown, 44 Park Place, New York.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co., Pittsburgh, Pa.
Deoxidized Metal Co., Bridgeport, Conn.
Dickson Mfg. Co., Scranton, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Ensign Mfg. Co., Huntington, W. Va.
Fulton Iron & Engine Works, Detroit, Mich.
The E. S. Greeley & Co., 7 Dey St., New York.
Wm. A. Hardy, Fitchburg, Mass.
D. A. Hopkins Mfg. Co., 143 Liberty St., New York.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Keystone Smelting Co., Pittsburgh, Pa.

A. ANTI-FRICTION BEARINGS.
Dickson Mfg. Co., Scranton, Pa.
Kinzer & Jones Mfg. Co., Pittsburgh, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Geo. R. Meneeley & Co., West Troy, N. Y.
Mowry & Phillips, 120 Cross St., Boston, Mass.
J. Painter & Sons Co., Pittsburgh, Pa.
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Portland Company, Portland, Me.
Paul S. Reeves, 760 S. Broad St., Philadelphia, Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Morris Seller & Co., W. Chicago Av. n. N. Branch, Chicago, Ill.
Tripp Mfg. Co., 180 Summer St., Boston, Mass.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

B. OILLESS JOURNAL BEARINGS.
North American Metalline Co., 33 Bleecker St., New York.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

C. SELF-OILING JOURNAL BEARINGS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Chas. C. Klein, Marshall & Cambria Sts., Philadelphia, Pa.
Medart Patent Pully Co., 39 S. Canal S., Chicago, Ill.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1264. JOURNAL BOXES.
A. & F. Brown, 44 Park Place, New York.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Edison Gen. Electric Co., Edison Bldg., Broad St., N. Y. *256
Egan Co., 232 W. Front St., Cincinnati, O. *178
Fulton Foundry Co., Cleveland, O.
Fulton Iron & Engine Works, Detroit, Mich.
F. L. Gaylord Co., Ansonia, Conn.
Hewitt Mfg. Co., 604 Phenix Building, Chicago, Ill.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Jas. Leffel & Co., Spingfield, O. *130
Phœnix Iron Co., Trenton, N. J.
Post & Co., 217 W. 4th St., Cincinnati, O.
Ramapo Wheel & Foundry Co., Ramapo, N. Y.
John E. Randle & Co., Memphis, Tenn.
Rowley & Hermance, Williamsport, Pa. *196
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine Press Co., Woonsocket, R. I. *177

1265. PILLOW BLOCKS.
A. & F. Brown, 44 Park Place, New York.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Defiance Machine Works, Defiance, O.
Dickson Mfg. Co., Scranton, Pa.
Edison Gen. Electric Co., Edison Bldg., Broad St., N. Y. *256
Egan Co., 232 W. Front St., Cincinnati, O. *178
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frick Co., Waynesboro', Pa. *153
E. D. Jones, Sons & Co., Pittsfield, Mass.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
C. F. McMurray, Troy, N. Y.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.
Paige Mfg. Co., Painesville, O. *130
Phenix Iron Foundry, Providence, R. I.
Rowley & Hermance, Williamsport, Pa. *196
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

A. CLAMP BOXES.
Geo. A. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co. Scranton, Pa.

Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frick Co., Waynesboro', Pa. *153
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1266. PULLEYS.

Adams & Price Locomotive & Machine Works, Nashville, Tenn.
Ainslie, Cochran & Co., Louisville, Ky.
Akron Iron Co., Akron, O.
J. B. Allfree Co., Indianapolis, Ind.
Allentown Foundry & Machine Co., Allentown, Pa. *128
American Card Clothing Co., Worcester, Mass. *138
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
E. C. Atkins & Co., Indianapolis, Ind. *198
Barnard & Leas Mfg. Co., Moline, Ill.
Baugher, Kurtz & Stewart, York, Pa.
Birmingham Iron Foundry, Birmingham, Conn.
A. & F. Brown, 44 Park Place, New York.
Carlisle Mfg. Co., Carlisle, Pa.
Case Mfg. Co., Columbus, O.
Clot & Meese, San Francisco, Cal.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Dickson Mfg. Co., Scranton, Pa.
Benj. Eastwood, Paterson, N. J.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. B. Ehrsam Machine Co., Enterprise, Kan.
Elliott Machine Co., Baltimore, Md.
Fall River Machine Co., Fall River, Mass. *103
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fisher Foundry & Machine Co., Pittsburgh, Pa.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Frank & Co., Buffalo, N. Y.
Frey-Scheckler Co., Bucyrus, O. *162
Frick Co., Waynesboro', Pa. *153
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Frost Mfg. Co., Galesburg, Ill.
M. Garland, Bay City, Mich.
P. H. Glatfelter, Spring Forge, Pa.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Griffith & Wedge Co., Zanesville, O.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Joshua Hendy Machine Works, San Francisco, Cal.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Kensington Engine Wks., Ltd., Beach & Vienna Sts., Phila, Pa.
Kilburn, Lincoln & Co., Fall River, Mass.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Knowlson & Kelley, Troy, N. Y.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Jas. Leffel & Co., Springfield, Mass. *130
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Livermore Foundry & Machine Co., Memphis, Tenn.
Geo. R. Lombard & Co., Augusta, Ga.
Duncan Mackenzie, Trenton, N. J. *118
Mansfield Machine Works, Mansfield, O.
Marshall Bros., Pittsburgh, Pa.
Mecklenburg Iron Works, Charlotte, N. C.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Munson Bros., Utica, N. Y.
Novelty Iron Works, Dubuque, Iowa.
Nordyke & Marmon Co., Indianapolis, Ind *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Pacific Iron Works, Bridgeport, Conn.
Paige Mfg. Co., Painesville, O. *130
Palmer, Cunningham & Co., Ltd., 607 Market St., Phila., Pa.
J. W. Penfield & Son, Willoughby, O.
Phenix Iron Foundry, Providence, R. I.
Phœnix Iron Co., Trenton, N. J.
Robert Poole & Son Co., Baltimore, Md. *132
Portland Company, Portland, Me.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
P. Pryibil, 524 W. 41st St., New York. *152

Richmond City Mill Works, Richmond, Ind.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Rodney-Hunt Machine Co., Orange, Mass.
Rowley & Hermance, Williamsport, Pa. *196
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
S. Morgan Smith, York, Pa.
Jas. Smith Woolen Machinery Co., 411 Race St., Phila., Pa.
Stearns Mfg. Co., Erie, Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Tolhurst Machine Works, Troy, N. Y.
Valk & Murdock Iron Works, Charleston, S. C.
Variety Iron Works, York, Pa.
Walker Mfg. Co., Cleveland, O.
Warfield Mfg. Co., Baltimore, Md.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson Machine Co., Paterson, N. J.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.
West Point Foundry & Machine Works, West Point, Ga.
Wheland Foundry & Machine Works, Chattanooga, Tenn.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.
Winship Machine Co., Atlanta, Ga.
T. B. Woods' Sons, Chambersburgh, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177
Zehm & Bro., Kutztown, Pa.

A. BALANCED PULLEYS.
A. & F. Brown, 44 Park Place, New York.
Defiance Machine Works, Defiance, O.
Dickson Mfg. Co., Scranton, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Paige Mfg. Co., Painesville, O. *130
Phenix Iron Foundry, Providence, R. I.
Robert Poole & Son Co., Baltimore, Md. *132
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Valk & Murdock Iron Works, Charleston, S. C.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

B. CLAMP HUB PULLEYS.
Akron Iron Co., Akron, O.
A. & F. Brown, 44 Park Place, New York.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Phenix Iron Foundry, Providence, R. I.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

C. CLUTCH PULLEYS.
Akron Iron Co., Akron, O.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Bristol Foundry & Machine Works, Bristol, Tenn.
A. & F. Brown, 44 Park Place, New York.
Brown & Sharpe Mfg. Co., Providence, R. I.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Hill Clutch Works, Cleveland, O.
Jas. Hunter Machine Co., N. Adams, Mass.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Phenix Iron Foundry, Providence, R. I.
Robt. Poole & Son Co., Baltimore, Md. *132
Rodney-Hunt Machine Co., Orange, Mass.
N. Shaw & Co., Eau Claire, Wis.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. CONE PULLEYS.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Lane Mfg. Co., Montpelier, Vt. *192-5
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

E. DYNAMOMETER PULLEYS.
Avery & Burton, 42 S. Clinton St., Chicago, Ill.
A. & F. Brown, 44 Park Place, New York.
Woonsocket Machine & Press Co.. Woonsocket, R. I. *177

F. FRICTION CLUTCH PULLEYS.
Akron Iron Co., Akron, O.
Beloit Iron Works, Beloit, Wis.
Birmingham Iron Foundry, Birmingham, Conn.
J. C. Blevney, Newark, N. J.

A. & F. Brown, 44 Park Place, New York.
Dickson Mfg. Co., Scranton, Pa.
Eclipse Wind Engine Co., Beloit, Wis.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frisbie Co., New Haven, Conn.
Hill Clutch Works, Cleveland, O.
Jas. Hunter Machine Co., N. Adams, Mass.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Morris Co. Machine & Iron Co., Dover, N. J.
New Haven Mfg. Co., New Haven, Conn.
Nicholson & Waterman Mfg. Co., Providence, R. I.
Phenix Iron Foundry, Providence, R. I.
Putnam Machine Co., Fitchburg, Mass.
Sandy Hill Iron & Brass Co., Sandy Hill, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Taper-Sleeve Pulley Works, Erie, Pa.
Vulcan Iron Works, Wilkes Barre, Pa.
Wells Bros. & Co., Greenfield, Mass.
Wiley & Russell Mfg. Co., Greenfield, Mass.
D. W. Williamson & Co., Indianapolis, Ind.

G. GROOVED PULLEYS.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Robt. Poole & Son Co., Baltimore, Md. *132
Portland Company, Portland, Me.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

H. GUIDE PULLEYS.
A. & F. Brown, 44 Park Place, New York.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
John Royle & Son, Paterson, N. J.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Valk & Murdock Iron Works, Charleston, S. C.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

I. LOOSE PULLEY ARRANGEMENTS, ADJUSTABLE.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

J. PAPER PULLEYS.
American Paper Pulley Co., Indianapolis, Ind.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

K. SEWING MACHINE PULLEYS.
Singer Mfg. Co., 385 Broadway, New York. *214
Standard S. M. Co., Cleveland, O.

L. SPECIAL PULLEYS.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

M. SPLIT PULLEYS.
Akron Iron Co., Akron, O.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
A. & F. Brown, 44 Park Place, New York.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Egan Co., 232 W. Front St., Cincinnati, O. *178
Frick Co., Waynesboro', Pa. *153
Holyoke Machine Co., Holyoke, Mass.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Lane Mfg. Co., Montpelier, Vt. *192–5
Leonard McCoy, 118 Liberty St., New York.
C. F. McMurray, Troy, N. Y.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Phenix Iron Foundry, Providence, R. I.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

N. STEEL RIM PULLEYS.
Akron Iron Co., Akron, O.
Steel Pulley & Machine Works, Indianapolis, Ind.

O. WOOD PULLEYS.
American Paper Pulley Co., Indianapolis, Ind.
E. C. Atkins & Co., Indianapolis, Ind. *198
Defiance Machine Works, Defiance, O.
Dodge Mfg. Co., Mishawaka, Ind.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Lane Mfg. Co., Montpelier, Vt. *192–5
Novelty Wood Works, Union City, Pa.
Rowley & Hermance, Williamsport, Pa. *196
Taper-Sleeve Pulley Co., Erie, Pa.

Underwood Mfg. Co., Tolland, Conn. *53
Union Hardware Co., Torrington, Conn.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

P. WOOD SPLIT PULLEYS.
E. C. Atkins & Co., Indianapolis, Ind. *198
Brownell & Co., Dayton, O.
F. A. Chase & Co., Providence, R. I.
Dodge Mfg. Co., Mishawaka, Ind.
Great Western Pin Co., Toledo, O.
Lane Mfg. Co., Montpelier, Vt. *192–5
Milburn Gin & Machine Co., Memphis, Tenn.
Parke & Lacy Co., San Francisco, Cal.
Saginaw Mfg. Co., Saginaw, Mich.
Taper-Sleeve Pulley Co., Erie, Pa.

1267. ROPE TRANSMISSION.

A. ROPE DRIVING DRUMS.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Link-Belt Engineering Co., 49 Dey St., New York.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Trenton Iron Co., Trenton, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

B. ROPE SHEAVES.
A. & F. Brown, 44 Park Place, New York.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Dodge Mfg. Co., Mishawaka, Ind.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Thos. Laughlin & Son, Portland, Me.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
Nelsonville Foundry & Machine Co., Nelsonville, O.
Portland Company, Portland, Me.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walker Mfg. Co., Cleveland, O.

C. WIRE ROPE SHEAVES.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
Robert Poole & Son Co., Baltimore, Md. *132
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131

1268. SHAFTING.

Adams & Price Locomotive & Machine Works, Nashville, Tenn.
Akron Iron Co., Akron, O.
Albany Agricultural & Machine Works, Albany, N. Y.
Allentown Foundry & Machine Co., Allentown, Pa. *128
J. B. Allfree Co., Indianapolis, Ind.
American Card Clothing Co., Worcester, Mass. *138
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Baugher, Kurtz & Stewart, York, Pa.
Beall Foundry & Machine Works, Cumberland, Md.
Bethlehem Iron Co., Bethlehem, Pa.
Birmingham Iron Foundry, Birmingham, Conn.
Broadway Machine Co., Broadway, Va.
A. & F. Brown, 44 Park Place, New York.
Carlisle Mfg. Co., Carlisle, Pa.
Case Mfg. Co., Columbus, O.
Chase Turbine Mfg. Co., Orange, Mass.
Clot & Meese, San Francisco, Cal.
H. Dudley Coleman & Co., New Orleans, La.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Dayton Globe Iron Works Co., Dayton, O
Defiance Machine Works, Defiance, O.
Dickson Mfg. Co., Scranton, Pa.
Duncannon Iron Co., 122 Race St., Philadelphia, Pa.
Benj. Eastwood, Paterson, N. J.
Eastern Forge Co., E. Deering, Me.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. B. Ehrsam Machine Co., Enterprise, Kan
Ellicott Machine Co., Baltimore, Md.
Erie Forge Co., Erie, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

Fall River Machine Co., Fall River, Mass. *103
Filer & Stowell Co., Milwaukee, Wis.
Fisher Foundry & Machine Co., Pittsburgh, Pa.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Frank & Co., Buffalo, N. Y.
Frey-Sheckler Co., Bucyrus, O. *162
Frick Co., Waynesboro', Pa. *153
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Frost Mfg. Co., Galesburg, Ill.
M. Garland, Bay City, Mich.
P. H. Glatfelter, Spring Forge, Pa.
Griffith & Wedge Co., Zanesville, O.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Joshua Hendy Machine Works, San Francisco, Cal.
Hewes & Phillips Iron Works, Newark, N. J.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Jeffrey Mfg. Co., Columbus, O.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
Kilburn, Lincoln & Co., Fall River, Mass.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Kinyon Bros., Raritan, N. J.
Knowlson & Kelley, Troy, N. Y.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Jas. Leffel & Co., Springfield, O. *130
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Livermore Foundry & Machine Co., Memphis, Tenn.
Geo. R. Lombard & Co., Augusta, Ga.
Lowell Machine Shop, Lowell. Mass.
Leonard McCoy, 118 Liberty St., New York.
C. F. McMurray, Troy, N. Y.
Duncan Mackenzie, Trenton, N. J. *118
Mansfield Machine Works, Mansfield, O
Marshall Bros., Pittsburgh, Pa.
Mecklenburg, Iron Works, Charlotte, N. C.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Munson Bros., Utica, N. Y.
New Albany Forge & Rolling Mill Co., New Albany, Ind.
Nordyke & Marmon Co., Indianapolis, Ind. *208
Novelty Iron Works, Dubuque, Iowa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Pacific Iron Works, Bridgeport, Conn.
Paige Mfg. Co., Painesville, O. *130
Palmer, Cunningham & Co., Ltd., 607 Market St., Phila., Pa.
Pencoyd Iron Works, Pencoyd, Pa.
Phenix Iron Foundry, Providence, R. I.
Phœnix Iron Co., Trenton, N. J.
Pierson & Co., 24 West St., New York.
Robert Poole & Son Co., Baltimore, Md. *132
Portland Company, Portland, Me.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
P. Pryibil, 518 W. 41st St., New York. *152
Richmond City Mill Works, Richmond, Ind.
Rodney-Hunt Machine Co., Orange, Mass.
Rowley & Hermance, Williamsport, Pa. *196
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
S. Morgan Smith, York, Pa.
Smith, Winchester & Co., S. Windham, Conn.
Stearns Mfg. Co., Erie, Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Tolhurst Machine Works, Troy, N. Y.
Troy Steel & Iron Co., Troy, N. Y.
Variety Iron Works, York, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walker Mfg. Co., Cleveland, O.
Warfield Mfg. Co., Baltimore, Md.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson Machine Co., Paterson, N. J.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.
West Point Foundry & Machine Works, West Point, Ga.
Robert Wetherill & Co., Chester, Pa.
Wheland Foundry & Machine Works, Chattanooga, Tenn.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

Winship Machine Co., Atlanta, Ga.
T. B. Wood & Sons, Chambersburgh, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177
Zehm & Bro., Kutztown, Pa.

A. COLD ROLLED SHAFTING IRON.
Akron Iron Co., Akron, O.
Dickson Mfg. Co., Scranton, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Paige Mfg. Co., Painesville. O. *130
Robert Poole & Son Co., Baltimore, Md. *132
Union Drawn Steel Co., Beaver Falls, Pa.
Valk & Murdock Iron Works, Charleston, S. C.

B. COLD ROLLED SHAFTING STEEL.
Akron Iron Co., Akron, O.
Dickson Mfg. Co., Scranton, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Robert Poole & Son Co., Baltimore, Md. *132
Union Drawn Steel Co., Beaver Falls, Pa.

C. COUNTER SHAFTS.
Brown & Sharpe Mfg. Co., Providence, R. I.
Egan Company, 232 W. Front St., Cincinnati, O. *178
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frick Co., Waynesboro', Pa. *153
Garvin Machine Co., 9 Laight St., New York.
Lane Mfg. Co., Montpelier, Vt. *192–5
Nicholson & Waterman Mfg. Co., Providence, R. I.
John T. Noye Mfg. Co., Buffalo, N. Y.
Phenix Iron Foundry, Providence, R. I.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Silver Mfg. Co., Salem, O. *205
Wells Bros. & Co., Greenfield, Mass.

D. FLEXIBLE SHAFTS.
Stow Flexible Shaft Co., Ltd., N. 26th & Callowhill Sts., Phila., Pa.
Stow Mfg. Co., Binghamton, N. Y. *240

E. HAMMERED SHAFTING, IRON.
Bridgeport Rolling Mill Co., Bridgeport, Conn.
Dickson Mfg. Co., Scranton, Pa.
Eastern Forge Co., E. Deering, Me.
Robert Poole & Son Co., Baltimore, Md. *132
N. W. Talcott Axle Works, Springfield, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131

F. HAMMERED SHAFTING, STEEL.
Dickson Mfg. Co., Scranton, Pa.
Eastern Forge Co., E. Deering, Me.
Robert Poole & Son Co., Baltimore, Md. *132
Vulcan Iron Works, Wilkes Barre, Pa. *131

G. STEEL SHAFTING.
Bethlehem Iron Co., Bethlehem, Pa.
Dickson Mfg. Co., Scranton, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Pennsylvania Steel Co., Steelton, Pa.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Troy Steel & Iron Co., Troy, N. Y.

1269. SHAFT COLLARS.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Edison Genl. Electric Co., Edison Building Broad St., N. Y. *256
Egan Co., 232 W. Front St., Cincinnati, O. *178
Ellicott Machine Co., Baltimore, Md.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frick Co., Wanesboro', Pa. *153
Lane Mfg. Co., Montpelier, Vt. *192–5
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.
Robt. Poole & Son Co., Baltimore, Md. *132
Stilwell & Bierce Mfg. Co., Dayton O. *163
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.

A. CLAMP COLLARS.
A. & F. Brown, 44 Park Place, New York.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.

1270 SHAFT PEDESTALS.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Ellicott Machine Co., Baltimore, Md.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Robt. Poole & Son Co., Baltimore, Md. *132
Stilwell & Bierce Mfg. Co., Dayton, O. *163

Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

A. PEDESTAL BASE PLATES. Akron Iron Co., Akron, O.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Edison General Electric Co., Edison Bldg., Broad St., N. Y. *256
Vulcan Iron Works, Wilkes Barre, Pa. *131

1271. SPROCKET WHEELS. Case Mfg. Co., Columbus, O.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frost Mfg. Co., Galesburg, Ill.
Jeffrey Mfg. Co., Columbus, O.
Link-Belt Machinery Co., 39th St. & Stewart Avs., Chicago, Ill.
Moline Malleable Iron Co.. Moline, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Ypsilanti Machine Works, Ypsilanti, Mich.

1272. STEP BEARINGS. A. & F. Brown, 44 Park Place, New York.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vulcan Iron Works, Wilkes Barre, Pa. *131

1273. WALL BOXES. Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Fairmount Machine Co., 22d & Wood St., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

A. WALL PLATES. Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton Pa.
Edison General Electric Co., Edison Bldg., Broad St., N. Y. *256
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

1274. WALL BRACKETS. A. & F. Brown, 44 Park Place, New York.
Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Medart Patent Pulley Co., 39 S. Canal St., Chicago, Ill.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

PUMPING.

1275. ACID PUMPS. Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Lawrence Machine Co., Lawrence, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1276. ADMIRALTY PUMPS. Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1277. AIR PUMPS. Buffalo Steam Pump Co., Buffalo, N. Y.
A. S. Cameron Steam Pump Works, 433 E. 23d St., New York.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass.*128
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Eclipse Wind Engine Co., Beloit, Wis.
Epping Carpenter Co., Ltd., Pittsburgh, Pa.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Gordon Steam Pump Co., Hamilton, O. *188
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Smith & Vaile Co., Dayton, O.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

A. DUPLEX AIR PUMPS. Jas. Clayton, 47 York St., Brooklyn, N. Y.

Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
F. Huetteman & Co., 12 Sherman St., Detroit, Mich.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1278. AMMONIA PUMPS.
Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Smith & Vaile Co., 112 Liberty St., New York.
Valley Pump Co., Easthampton, Mass. *219
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1279. ANTI-FREEZING PUMPS.
W. & B. Douglas, Middletown, Conn. *162
Eclipse Wind Engine Co., Beloit, Wis.
Gleason & Bailey Mfg. Co., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.

1280. BARREL PUMPS.
Union Mfg. Co., New Britain, Conn. *124

1281. BEER AND ALE PUMPS.
Bishop & Babcock Co., Cleveland, O.
Chambers & Ainslie, Newark, N. J.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Haydenville Mfg. Co., 73 Beekman St., New York.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
Peck Bros., & Co., New Haven, Conn.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
Samuel S. Toombs, 10 Peck Slip, New York.
Union Mfg. Co., New Britain, Conn. *124

1282. BLEACHERY PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1283. BOILER FEED PUMPS.

A. BOILER FEED PUMPS, HAND.
Battle Creek Machine Co., Battle Creek, Mich.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
John T. Noye Mfg. Co., Buffalo, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Union Mfg. Co., New Britain, Conn. *124

B. BOILER FEED PUMPS, STEAM.
Edward P. Allis, Milwaukee, Wis.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Battle Creek Machine Co., Battle Creek, Mich.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
I. B. Davis & Son, Hartford, Conn.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Eclipse Wind Engine Co., Beloit, Wis.
Epping, Carpenter & Co., Ltd., Pittsburgh, Pa.
Frick Co., Waynesboro', Pa. *153
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
William A. Harris Steam Engine Co., Providence, R. I.
Harrisburg Car Mfg. Co (Fdry. & Mach. Dept.), Harrisburg, Pa.
Hooker-Colville Steam Pump Co., 1101 N. 2d St., St. Louis, Mo.
Hughes Steam Pump Co., Cleveland, O.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Kensington Engine Works, Ltd., Beach & Vienna St., Phila., Pa.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Knowles Steam Pump Works, Warren, Mass.
Laidlaw & Dunn Co., Pearl & Plum St., Cincinnati, O.
Lawrence Machine Co., Lawrence, Mass.
John H. McGowan Co., 42 Central Av., Cincinnati, O.

Mansfield Machine Works, Mansfield, O.
National Pipe Bending Co., 132 River St., New Haven, Conn.
John T. Noye Mfg. Co., Buffalo, N. Y.
Phenix Iron Foundry, Providence, R. I.
Jas. G. Pulling & Co., Columbus, O.
J. Regester & Sons, Baltimore, Md.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
Vulcan Iron Works, Wilkesbarre, Pa. *131
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Robert Wetherill & Co., Chester, Pa.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1284. BREWERY PUMPS.
Battle Creek Machinery Co., Battle Creek, Mich.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170–2
W. & B. Douglas, Middletown, Conn. *162
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pipe Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Lawrence Machine Co., Lawrence, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

A. AIR PRESSURE PUMPS.
James Clayton, 47 York St., Brooklyn, N. Y.
Deming Co., Salem, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1285. CELLAR PUMPS.
H. Dudley Coleman Machinery, Ltd., New Orleans, La.
W. & B. Douglas, Middletown, Conn. *162
Deming Co., Salem, O.
F. Huettman & Co., Detroit, Mich.
Byron Jackson, San Francisco, Cal.

1286. CENTRIFUGAL PUMPS.
Baldwinsville Centrifugal Pump Works, Syracuse, N. Y.
H. Dudley Coleman Machinery Co., Ltd., New Orleans, La.
W. & B. Douglas, Middletown, Conn. *162
Joseph Edwards & Co., 412 Water St., New York.
W. T. Garratt & Co., San Francisco, Cal.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Lawrence Machine Co., Lawrence, Mass.
Morris Machine Works, Baldwinsville, N. Y.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Southwark Fdry. & Mach. Co., Washn. Av. & S. 5th St., Phila., Pa.

1287. CHAIN PUMPS.
Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd , Seneca Falls, N. Y.
I-X-L Pump, Lumber & Mfg. Co., Goshen, Ind.
Moline Pump Co., Moline, Ill.
Peoria Pump & Implement Co., Peoria, Ill.
Southwark Fdry. & Mach. Co., Washn. Av. & S. 5th St., Phila., Pa.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.
A. Wycoff & Son, Elmira, N. Y.

A. RUBBER BUCKET CHAIN PUMPS.
S. E. Crawford, Norwalk, O.
Howard & Jennings, Syracuse, N. Y.
C. Pierpont & Co., New Haven, Conn.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1288. CIRCULATING PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Joseph Edwards & Co., 412 Water St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York. *141

1289. CISTERN PUMPS.

Deming Co., Salem, O.
Eclipse Wind Engine Co., Beloit, Wis.
J. W. Fiske, 28 Park Place, New York.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Moline Pump Co., Moline, Ill.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1290. COMBINED PUMPS.

A. COMBINED AIR & BOILER FEED PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Hall Steam Pump Co., Allegheny, Pa.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

B. COMBINED AIR & CIRCULATING PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Knowles Steam Pump Works, Warren, Mass.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

C. COMBINED BOILERS & PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
James G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

D. COMBINED BOILER PUMPS & HEATERS.

N. Y. Safety Steam Power Co., 30 Cortlandt St., New York.
Valley Pump Co., Easthampton, Mass. *219

E. COMBINED CREAMERY ENGINES & PUMPS.

Valley Pump Co., Easthampton, Mass. *219

F. COMBINED INJECTION & REFRIGERATOR PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

G. COMBINED VACUUM & WATER PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188–9
Knowles Steam Pump Co., Warren, Mass.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1291. COOLER PUMPS.

C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 B'way, New York. *241

1292. COTTON PRESS PUMPS.

Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1293. CRANK PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188–9
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1294. DIAPHRAGM PUMPS.

Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1295. DISTILLERY PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Gordon Steam Pump Co., Hamilton, O. *188–9
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

A. MASH PUMPS.

Jas. Clayton, 47 York St., Brooklyn, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

1296. DOCTOR PUMPS.

Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.

1297. DRAINAGE MACHINERY.

Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.

A. DRAINAGE PUMPS.

Ivens & Son Machine Co., New Decatur, Ala.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Eclipse Wind Engine Co., Beloit, Wis.
Jos. Edwards & Co., 412 Water St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Co., Warren, Mass.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1298. DUPLEX FLYWHEEL PUMPS.

Buffalo Steam Pump Co., Buffalo, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Epping, Carpenter & Co., Ltd., Pittsburgh, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 B'way, New York. *241

1299. EJECTORS.

Nathan Mfg. Co., 92 Liberty St., New York.
Penberthy Injector Co., Detroit, Mich.
Rue Mfg. Co., 116 N. 9th St., Philadelphia, Pa.
Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.

1300. ELECTRIC PUMPS.

Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa. *257

1301. ELEVATOR PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Eclipse Wind Engine Co., Beloit, Wis.
Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
Worthington Pumping Engine Co., 145 B'way, New York. *241

1302. FAN PUMPS.

Beloit Iron Works, Beloit, Wis.
Black & Clawson Co., Hamilton, O. *200–3
Smith, Winchester & Co., South Windham, Conn.

1303. FILTER PRESS PUMPS.

Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Smith & Vaile Co., Dayton, O.

1304. FIRE ENGINES.

A. COMBINED FIRE ENGINES & LADDER TRUCKS.

Gleason & Baily Mfg. Co., Ltd., Seneca Falls, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.

B. HAND FIRE ENGINES.

Chicago Hose Reed Co., 101 Erie St., Chicago, Ill.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.

C. STEAM FIRE ENGINES.

Ahrens Mfg. Co., 22 Webster St., Cincinnati, O.
Clapp & Jones Mfg. Co., Hudson, N. J.
La France Fire Engine Co., Elmira, N. Y.
Manchester Locomotive Works, Manchester, N. H.
Silsby Mfg. Co., Seneca Falls, N. Y.
Watrous Engine Works Co., St. Paul, Minn.

D. STEAM FIRE ENGINE DOMES.

Ledig & Way, 248 N. 8th St., Philadelphia, Pa.

1305. FIRE PUMPS.

Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Co., Salem, O.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Goulds Mfg. Co., Seneca Falls, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Holyoke Machine Co., Holyoke, Mass.
Hughes Steam Pump Co., Cleveland, O.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Knowles Steam Pump Works, Warren, Mass.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Jas. G. Pulling & Co., Columbus, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.

A. Russell & Sons, Newburyport, Mass.
Silsby Mfg. Co., Seneca Falls, N. Y.
Smith & Vaile Co., Dayton, O.
United States Wind Engine & Pump Co., Batavia, Ill.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 B'way, New York. *241

A. ROTARY FIRE PUMPS.
Holyoke Machine Co., Holyoke, Mass.
E. D. Jones, Sons & Co., Pittsfield, Mass.
Rodney-Hunt Machine Co., Orange, Mass.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1306. FOUNTAIN PUMPS.
W. & B. Douglas, Middletown, Conn. *162
Rumsey & Co., Ltd., 107 Liberty St., New York.
J. A. Whitman, Providence, R. I.

1307. FORCE PUMPS.

A. HAND FORCE PUMPS.
Cardwell Machine Co., Richmond, Va.
Champion Iron Co., Kenton, O.
Columbiana Pump & Machine Co., Columbiana, O.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Field Force Pump Co., Lockport, N. Y.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Mast, Foos & Co., Springfield, O.
F. E. Myers & Bro., Ashland, O.
M. Reynolds & Co., 25 Centre St., New York.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Sandwich Enterprise Co., Sandwich, Ill.
Silsby Mfg. Co., Seneca Falls, N. Y.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.

B. ROTARY FORCE PUMPS.
Deming Co., Salem, O.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Knowles Steam Pump Works, Warren, Mass.
P. H. & F. M. Roots Co., Connersville, Ind.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.

C. STEAM FORCE PUMPS.
Battle Creek Machinery Co., Battle Creek, Mich.
Geo. F. Blake Mfg. Co., 3d St., Cambridge, Mass.
A. S. Cameron Steam Pump Works, 433 E. 23d St., New York.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Delamater Iron Works, 21 Cortlandt St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Smith & Vaile Co., Dayton, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

D. WOODEN FORCE PUMPS.
Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.

1308. GARDEN ENGINES & PUMPS.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., N. Y.
Union Mfg. Co., New Britain, Conn. *124

A. GARDEN SPRINKLING PUMPS.
American Machine Co., Lehigh Av. & American St., Phila., Pa.
S. H. Brooks & Sons, W. Randolph, Vt.
Goulds Mfg. Co., Seneca Falls, N. Y.
Silsby Mfg. Co., Seneca Falls, N. Y.

B. LAWN FORCE PUMPS.
U. S. Wind Engine & Pump Co., Batavia, Ill.

C. ORCHARD FORCE PUMPS.
Field Force Pump Co., Lockport, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.

D. ORCHARD SPRAY PUMPS.
Lansing Iron & Engine Works, Lansing, Mich.
Rumsey & Co., Ltd., 107 Liberty St., New York.

E. PORTABLE SPRINKLING PUMPS.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Josiah Whitman, Providence, R. I.

1309. GAS PUMPS.

A. GAS BELL PUMPS.
American Meter Co., 177 Elm St., Cincinnati, O.
Battle Creek Machinery Co., Battle Creek, Mich.

B. GAS DRIP PUMPS.
American Meter Co., 177 Elm St., Cincinnati, O.
Battle Creek Machinery Co., Battle Creek, Mich.

Rumsey & Co., Ltd., 107 Liberty St., New York.

C. GAS PROVING PUMPS.
Ashcroft Mfg. Co., 111 Liberty St., New York.

D. GAS WORKS PUMPS.
Geo. F. Blake Mfg. Co., 3d St., Cambridge. Mass.
Gordon Steam Pump Co., Hamilton, O. *188-9
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St.,Chicago, Ill.

E. SERVICE CLEANER PUMPS.
American Meter Co., Cincinnati, O.
National Meter Co., 252 Broadway, New York.

1310. GAS ENGINE PUMPS.

1311. GREENHOUSE FORCE PUMPS.

Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Eclipse Wind Engine Co., Beloit, Wis.
Rumsey & Co., Ltd., 107 Liberty St., New York.

1312. HAM PUMPS.

Deming Co., Salem, O.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
Rumsey & Co., Ltd., 107 Liberty St., New York.

1313. HAND PUMPS.

Althouse-Wheeler Co., Waupun, Wis.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Avery Planter Co., Peoria, Ill.
Ball, Mitchell & Co., Maysville, Ky.
B. F. Biggs Pump Co., La Fayette, Ind.
T. W. Brown, Appleton, Wis.
Bushnell Pump Co., Bushnell, Ill.
Cardwell Machine Co., Richmond, Va.
Clark Bros., Belmont, N. Y.
Columbiana Pump & Machine Co., Columbiana, O.
Comstock & Coonse, Indianapolis, Ind.
Silas E. Crawford, Norwalk, O.
W. & B. Douglas, Middletown, Conn. *162
J. B. Ehrsam Machine Co., Enterprise, Kan.
Hess, Snyder & Co., Massillon, O.
Robert Hoes, Malden Bridge, N. Y.
Humphreys Mfg. Co., Mansfield, O.
Mast, Foos & Co., Springfield, O.
Middletown Pump Co., Middletown, O.
E. A. Platter, Anderson, Ind.
Red Jacket Pump Co., Davenport, Iowa.
Rumsey & Co., Ltd., 107 Liberty St., New York.
St. Joseph Pump Co., St. Joseph, Mo.
Superior Machine Co., Springfield, O.
Thomas Mfg. Co., Springfield, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
C. Wakefield & Son, Theresa, N. Y.
S. Wilder & Co., Holliston, Mass.
Woodmanse & Hewitt Mfg. Co., Freeport, Ill.

A. BRASS PUMPS.
Boyts, Porter & Co., Connellsville, Pa.
Hardwicke & Ware, Buffalo, N. Y.
Haydenville Mfg. Co., 73 Beekman St., New York.
Humphreys Mfg. Co., Mansfield, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Alfred B. Sands & Son, 134 Beekman St., New York. *118
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.

B. COPPER PUMPS.
Thos. Phillips & Co., Providence, R. I.
Ribon & March, 1st & Provost Sts., Jersey City, N. J.
Union Mfg. Co., New Britain, Conn. *124

C. IRON PUMPS.
Birmingham Iron Foundry, Birmingham, Conn.
Champion Iron Co., Kenton, O.
Columbiana Pump & Machine Co., Columbiana, O.
Eclipse Wind Engine Co., Beloit, Wis.
W. Eddy & Sons, Greenwich, N. Y.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Humphreys Mfg. Co., Mansfield, O.
Marseilles Mfg. Co., Marseilles, Ill.
Novelty Iron Works, Sterling, Ill.
R. R. Rouse, Indianapolis, Ind.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Sandwich Enterprise Co., Sandwich, Ill.
Stover Mfg. Co., Freeport, Ill.
Trahern Pump Co., Rockford, Ill.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.

D. PORCELAIN LINED PUMPS.
W. & B. Douglas, Middletown, Conn. *162
I-X-L Pump, Lumber & Mfg. Co., Goshen, Ind.
Peoria Pump Co., Peoria, Ill.

E. WOODEN PUMPS.

U. S. Wind Engine & Pump Co., Batavia, Ill.
B. F. Biggs Pump Co., La Fayette, Ind.
Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
David Bradley & Co , Minneapolis, Minn.
Cole Bros., Green Castle, Ind.
Decatur Lumber & Mfg. Co., Decatur, Ill.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Harris & Cole Bros., Cedar Falls, Iowa.
Howard & Jennings, Syracuse, N. Y.
La Tourette Machine Co., Middletown, O.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Middletown Pump Co., Middletown, O.
Moline Pump Co., Moline, Ill.
N. O. Nelson Mfg. Co., 8th & St. Charles Sts., St. Louis, Mo.
Peoria Pump & Implement Co., Peoria, Ill.
St. Louis Wood Pump Co., 2115 S. 2d St., St. Louis, Mo.
South Bend Pump Co., South Bend, Ind.
Temple Pump Co., 17 Meagher St., Chicago, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
E. W. Walker & Co., Goshen, Ind.
G. R. Wood & Sons, Sheffield, Pa.

1314. HIGH PRESSURE PUMPS.

Battle Creek Machinery Co., Battle Creek, Mich.
W. & B. Douglas, Middletown, Conn. *162
Gordon Steam Pump Co., Hamilton, O. *188–9
Smith & Vaile Co., Dayton, O.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Worthington Pumping Eng. Co., 145 B'way, New York. *241

1315. HORSE POWER PUMPING JACKS.

F. F. Collins Mfg. Co., San Antonio, Tex.
Deming Co., Salem, O.
Ft. Scott Foundry & Machine Co., Ft. Scott, Kan.
Rumsey & Co., Ltd., 107 Liberty St., New York.

1316. HORSE POWER PUMPS.

W. & B. Douglas, Middletown, Conn. *162
Ft. Scott Foundry & Machine Co., Ft. Scott, Kan.
Rumsey & Co., Ltd., 107 Liberty St., New York.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1317. HOTEL PUMPS.

F. C. Wells, 116 S. Clinton St., Chicago, Ill.

1318. HYDRAULIC PRESSURE PUMPS.

Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Epping, Carpenter & Co., Ltd., Pittsburgh, Pa.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1319. HYDRAULIC PUMPS.

Allentown Foundry & Machine Co., Allentown, Pa. *128
Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Boomer & Boschert Press Co., 235 Greenwich St., New York.
Cardwell Machine Co., Richmond, Va.
Cleveland Machine Works, Worcester, Mass.
Dickson Mfg. Co., Scranton, Pa.
Gordon Steam Pump Co., Hamilton, O. *188–9
Granger Foundry & Machine Co., Providence, R. I.
Hall Steam Pump Co., Allegheny, Pa.
Holyoke Machine Co., Holyoke, Mass.
Knowles Steam Pump Works, Warren, Mass.
Lowell Machine Shop, Lowell, Mass.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Robt. Poole & Son Co., Baltimore, Md. *132
Risdon Iron & Locomotive Works, San Francisco, Cal.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walker Mfg. Co., Cleveland, O.
Watson & Stillman, 204 E. 43d St., New York.

1320. HYDRAULIC RAMS.

Worthington Pumping Eng. Co., 145 Broadway, New York. *241
Deming Co., Salem, O.
Dickson Mfg. Co., Scranton, Pa.
W. & B. Douglas, Middletown, Conn. *162
Gauthrop & Son, Wilmington, Del.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Humphreys Mfg. Co., Mansfield, O.
Chas. Millar & Son, Utica, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Union Mfg. Co., New Britain, Conn. *124

1321. HYDROSTATIC PRESS PUMPS.

Watson & Stillman, 204 E. 43d St., New York.

1322. ICE MANUFACTURING PUMPS.

Valley Pump Co., Easthampton, Mass. *219
Worthington Pumping Eng. Co., 145 B'way, New York. *241

1323. INJECTORS.

American Injector Co., Detroit, Mich.
H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.
Chaplin, Fulton & Co., Ltd., 91 1st St., Pittsburgh, Pa.
Fowler & Co., Louisville, Ky.
Garfield Injector Co., Wadsworth, O.
Hancock Inspirator Co., Watson St., Boston, Mass.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
G. H. Little, Peabody, Mass.
Nathan Mfg. Co., 92 Liberty St., New York.
National Tube Works Co., 70 Federal St., Boston, Mass.
Penberthy Injector Co., Detroit, Mich.
Rue Mfg. Co., 116 N. 9th St., Philadelphia, Pa.
Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
L. Schutte & Co., 1253 N. 12th St., Philadelphia, Pa.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Sherwood Mfg. Co., Buffalo, N. Y.

A. INSPIRATORS.

Lidgerwood Mfg. Co., 96 Liberty St., New York.

1324. IRRIGATING MACHINERY.

Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Joseph Edwards & Co., 412 Water St., New York.
Ivens & Sons Machine Co., New Decatur, Ala.
U. S. Wind Engine & Pump Co., Batavia, Ill.

A. IRRIGATING PUMPS.

F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
Eclipse Wind Engine Co., Beloit, Wis.
Joseph Edwards & Co., 412 Water St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Works, Warren, Mass.
Lawrence Machine Co., Lawrence, Mass.
Jas. G. Pulling & Co., Columbus, O.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1325. LARD PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 B'way, New York. *241

1326. LOCOMOTIVE PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Knowles Steam Pump Works, Warren, Mass.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.

1327. LOW PRESSURE PUMPS.

Battle Creek Machinery Co., Battle Creek, Mich.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1328. MARINE PUMPS.

Barr Pumping Engine Co., 244 S. 3d St., Phila., Pa.
Battle Creek Machinery Co., Battle Creek, Mich.
Geo F. Blake Mfg. Co., 111 Federal St., Boston, Mass.

Field Force Pump Co., Lockport, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
A. Russell & Sons, Newburyport, Mass.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

A. BILGE PUMPS.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hughes Steam Pump Co., Cleveland, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Alfred B. Sands & Son, 134 Beekman St., New York. *118
Smith & Vaile Co., Dayton, O.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

B. BOAT PUMPS.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Samuel Benson, Allegheny, Pa.
W. & B. Douglas, Middletown, Conn. *162
Gordon Steam Pump Co., Hamilton, O. *188–9
Alfred B. Sands & Co., 134 Beekman St., New York. *118

C. SHIP PUMPS.
W. & B. Douglas, Middletown, Conn. *162
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Goulds Mfg. Co., Seneca Falls, N. Y.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1329. MINING PUMPS.
Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Crawford & McCrimmon, Brazil, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170–2
W. & B. Douglas, Middletown, Conn. *162
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Lawrence Machine Co., Lawrence, Mass.
Mecklenburg Iron Works, Charlotte, N. C.
Morris County Machine & Iron Co., Dover, N. J.
Pacific Iron Works, San Francisco, Cal.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
Vulcan Iron Works, Wilkes Barre, Pa. *131
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Wormer Machinery Co., 11 N. 7th St., St. Louis, Mo.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

A. CORNISH PUMPS.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
Griffith & Wedge Co., Zanesville, O.
Morris County Machine & Iron Co., Dover, N. J
Ribon & March, Jersey City, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. SINKING PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1330. MOLASSES PUMPS.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Jas. G. Pulling & Co., Columbus, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.

1331. OIL LINE PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.

Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton. O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1332. OIL PUMPS.
Ball Bros., Glass Mfg. Co., Buffalo, N. Y.
Battle Creek Machinery Co., Battle Creek, Mich.
Excelsior Mfg. Co., Pittsburgh, Pa.
Jas. G. Pulling & Co., Columbus, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

1333. OIL REFINERY PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Gordon Steam Pump Co., Hamilton, O. *188-9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1334. OIL TANK PUMPS.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1335. PAPER MILL PUMPS.
Jos. Edwards & Co., 412 Water St., New York.

1336. PITCHER PUMPS.
Deming Co., Salem, O.
Eclipse Wind Engine Co., Beloit, Wis.
J. W. Fiske, 28 Park Place, New York.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Rumsey & Co., Ltd., 107 Liberty St., New York.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1337. PLANTATION PUMPS.
Geo. F. Blake Mfg. Co., 3d St., Cambridge, Mass.
Gordon Steam Pump Co., Hamilton, O. *188-9
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1338. PLUMBERS' PUMPS.
Deming Co., Salem, O.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Peck Bros. & Co., New Haven, Conn.
Jas. G. Pulling & Co., Columbus, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Union Mfg. Co., New Britain, Conn. *124

1339. POWER PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
I. B. Davis & Son, Hartford, Conn.
Deane Steam Pump Co., Holyoke, Mass. *170-2
Gordon Steam Pump Co., Hamilton, O. *188-9
Goulds Mfg. Co., Seneca Falls, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Holyoke Machine Co., Holyoke, Mass.
Knowles Steam Pump Works, Warren, Mass.
Laidlaw & Dunn Co., Pearl & Plum Sts., Cincinnati, O.
Jas. G. Pulling & Co., Columbus, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
Smith & Vaile Co., Dayton, O.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valley Pump Co., Easthampton, Mass. *219
Worthington Pumping Eng. Co., 145 B'way, New York. *241

1340. PULP MILL PUMPS.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.

1341. PUMPING ENGINES.
Edward P. Allis, Milwaukee, Wis.
Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Colwell Iron Works, 549 W. 27th St., New York.
Robt. Deeley & Co., 507 W. 32d St., New York.
Delamater Iron Works, 21 Cortlandt St., New York.
Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Gordon Steam Pump Co., Hamilton, O. *188-9
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131

F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Robert Wetherill & Co., Chester, Pa.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241
Wm. Wright, Newburgh, N. Y.

A. DOMESTIC PUMPING ENGINES.
Robt. Deeley & Co., 507 W. 32d St., New York.

B. HOT AIR PUMPING ENGINES.
Robt. Deeley & Co., 507 W. 32d St., New York.
Delamater Iron Works, 21 Cortlandt St., New York.

1342. PUMPING MACHINERY.

Allentown Foundry & Machine Co., Allentown, Pa. *128
Beckett Foundry & Machine Co., Arlington, N. J.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Eclipse Wind Engine Co., Beloit, Wis.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Phœnix Iron Co., Trenton, N. J.
Jas. G. Pulling & Co., Columbus, O.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Smith & Vaile Co., Dayton, O.
Wilson Snyder Mfg. Co., Pittsburgh, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Webster, Camp & Lane Machine Co., Akron, O.
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

A. MINE PUMPING MACHINERY.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Beckett Foundry & Machine Co., Arlington, N. J.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
Eclipse Wind Engine Co., Beloit, Wis.
Fraser & Chalmers, cor. Union & Fulton Sts., Chicago, Ill.
Gordon Steam Pump Co., Hamilton, O. *188–9
Link-Belt Machine Co., 39th St. & Stewart Av., Chicago, Ill.
Pacific Iron Works, San Francisco, Cal.
Ribon & March, 1st & Provost Sts., Jersey City, N. J.
Smith & Vaile Co., Dayton, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Worthington Pumping Eng. Co., 145 Broadway, New York.*241

B. WATER WORKS PUMPING MACHINERY.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Eclipse Wind Engine Co., Beloit, Wis.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Knowles Steam Pump Works, Warren, Mass.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
P. H. & F. M. Roots Co., Connersville, Conn.
St. Louis Iron Machine Works, 1001 S. Main St., St. Louis, Mo.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Smith & Vaile Co., Dayton, O.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 B'way, New York. *241

C. WATER WORKS FILTERS.
Cumberland Mfg. Co., 220 Devonshire St., Boston, Mass.
O. H. Jewell Filter Co., 73 W. Jackson St., Chicago, Ill.
Porter Boiler Mfg. Co., S. Chicago, Ill.

1343. PUMP PARTS.

A. CHAIN PUMP FIXTURES.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Taylor & Boggis Foundry Co., Cleveland, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

B. FOOT VALVES & STRAINERS.
Belleville Pump & Skein Works, Belleville, Ill.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Hughes Steam Pump Co., Cleveland, O.
Ludlow Valve Mfg. Co., Troy, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Worthington Pumping Engine Co., 145 B'way, New York. *241

C. IRON PUMP SPOUTS.
Hurlbut Mfg. Co., Racine Junction, Wis.
Taylor & Boggis Foundry Co., Cleveland, O.

D. LEATHER PUMP BOXES.
I. G. Marston & Co., 226 Ruggles St., Boston, Mass. *250

E. PUMP CHAMBERS.
Dickson Mfg. Co., Scranton, Pa.
P. P. Emory & Co., Springfield, Mass.
P. J. O'Connell & Son, Springfield, Mass.
U. S. Wind Engine & Pump Co., Batavia, Ill.

F. PUMP COLUMNS.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
W. & B. Douglas, Middletown, Conn. *162

G. PUMP CYLINDERS.
Baker Mfg. Co., Evansville, Wis.
Flint & Walling Mfg. Co., Kendalville, Ind. *139
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Marseilles Mfg. Co., Marseilles, Ill.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Sandwich Enterprise Co., Sandwich, Ill.
Standard Mfg. Co., Pittsburgh, Pa. *49
Superior Machine Co., Springfield, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Woodmanse & Hewitt Mfg. Co., Freeport, Ill.
Worthington Pumping Engine Co., 145 B'way, New York. *241

H. PUMP RODS.
Aluminum Brass & Bronze Co., Bridgeport, Conn.
Dickson Mfg. Co., Scranton, Pa.
Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.

I. RUBBER BUCKETS FOR CHAIN PUMPS.
H. O. Canfield, Bridgeport, Conn.
Olmsted & Co., 75 N. Clinton St., Chicago, Ill.
Temple Pump Co., 17 Meagher St., Chicago, Ill.

J. SUCKER RODS.
Bush & Belknap, East Branch, Pa.
Coss Mfg. Co., Lima, O.
Oil Well Supply Co., Pittsburgh, Pa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Shannon & Wilson, Corry Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1344. QUARRY PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deming Co., Salem, O.
Gordon Steam Pump Co., Hamilton, O. *188–9
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
United States Wind Engine & Pump Co., Batavia, Ill.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.

1345. ROTARY PUMPS.
Deming Co., Salem, O.
Eclipse Wind Engine Co., Beloit, Wis.
Fales & Jenks Machine Co., Pawtucket, R. I.
Gleason & Bailey Mfg. Co., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
E. D. Jones, Sons & Co., Pittsfield, Mass.
McNab & Harlin Mfg. Co., Paterson, N. J.
P. H. & F. M. Roots Co., Connersville, Conn.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
Union Mfg. Co., New Britain, Conn. *124
Wilbraham Bros., 2518 Frankford Av., Philadelphia, Pa.

A. PROPELLER PUMPS.
Thomas Shaw, 915 Ridge Av., Philadelphia, Pa.

1346. SALT WATER PUMPS.
Beckett Foundry & Machine Co., Arlington, N. J.
Geo. F. Blake Mfg. Co., 3d St., Cambridge, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Gordon Steam Pump Co., Hamilton, O. *188–9
Knowles Steam Works, Warren, Mass.
Smith & Vaile Co., Dayton, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Worthington Pumping Engine Co., 145 B'way, New York. *241

1347. SEWERAGE PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y
Deming Co., Salem, O.
Jos. Edwards & Co., 412 Water St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
A. Russell & Sons, Newburyport, Mass.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Engine Co., 145 B'way, New York. *241

1348. SIPHON PUMPS.
Chaplin, Fulton & Co., Ltd., Pittsburgh, Pa.
Fowler & Co., Louisville, Ky.
Nason Mfg. Co., 71 Beekman St., New York.

1349. SIZE PUMPS.
Holyoke Machine Co., Holyoke, Mass.

1350. SOAP PUMPS.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill

1351. STEAM PUMPS.

Albany Steam Trap Co., Albany, N. Y.
Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Birmingham Iron Foundry, Birmingham, Conn.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
A. S. Cameron Steam Pump Works, 433 E. 23d St., New York.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Robert Deeley & Co., 507 W. 32d St., New York.
Delamater Iron Works, 21 Cortlandt St., New York.
Joseph Edwards & Co., 412 Water St., New York.
Epping, Carpenter & Co., Ltd., Pittsburgh, Pa.
Franklin Iron Works, Port Carbon, Pa.
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
W. T. Garratt & Co., San Francisco, Cal.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Globe Iron Works Co., Center & Spruce Sts., Cleveland, O.
Gordon Steam Pump Co., Hamilton. O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Holly Mfg. Co., Lockport, N. Y.
Hooker-Colville Steam Pump Co., 1101 N. 2d St., St. Louis, Mo.
Hughes Steam Pump Co., Cleveland, O.
Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Knowles Steam Pump Works, Warren, Mass.
Knowlson & Kelley, Troy, N. Y.
Laidlaw & Dunn Co., 186 W. 2d St., Cincinnati, O.
John H. McGowan & Co., 42 Central Av., Cincinnati, O.
Mansfield Machine Works, Mansfield, O.
Mason Regulator Co., 10 Central St., Boston, Mass.
Morris Co. Machine & Iron Co., Dover, N. J.
National Iron & Brass Works, Dubuque, Iowa.
Wm. L. Oakes, Decatur, Ill.
Parke & Lacy Co., San Francisco, Cal.
Phœnix Iron Co., Trenton, N. J.
James G. Pulling & Co., Columbus, O.
Racine Hardware Mfg. Co., Racine, Wis.
Jas. Rees, Pittsburgh, Pa.
Geo. J. Roberts & Co., Dayton, O.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Watertown Steam Engine Co., Watertown, N. Y. *169
Watson & Stillman, 204 E. 43d St., New York.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Woodward Steam Pump Co., 10 Reade St., New York.
Worthington Pumping Engine Co., 145 B'way, New York. *241

A. COMPOUND STEAM PUMPS.

Buffalo Steam Pump Co., Buffalo, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Engine Co., 145 B'way, New York. *241

B. DUPLEX STEAM PUMPS.

Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Delamater Iron Works, 21 Cortlandt St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Works, Warren, Mass.
Laidlaw & Dunn Co., Pearl & Plum Sts., Cincinnati, O.
Smith & Vaile Co., Dayton, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

C. OIL FUEL STEAM PUMPS.

Battle Creek Machinery Co., Battle Creek, Mich.
Racine Hardware Mfg. Co., Racine, Wis.

D. PLUNGER PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Gordon Steam Pump Co., Hamilton, O. *188–9

Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pipe Works, Warren, Mass.
Smith & Vaile Co., Dayton, O.
Smith, Winchester & Co., S. Windham, Conn.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

E. VERTICAL STEAM PUMPS.
Battle Creek Machinery Co., Battle Creek, Mich.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Knowles Steam Pump Works, Warren, Mass.
Landis & Haverstick, Lancaster, Pa. *164
John H. McGowan & Co., 42 Central Av., Cincinnati, O.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

1352. STEAM PUMP ACCESSORIES.

A. PUMP GAUGES.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.

B. PUMP GOVERNORS
Albany Steam Trap Co., Albany, N. Y.
Curtis Regulator Co., 63 Beverly St., Boston, Mass.
Gordon Steam Pump Co , Hamilton, O. *188–9
Knowles Steam Pump Works, Warren, Mass.
Locke Bros., Salem, Mass.
Mason Regulator Co., 10 Central St., Boston, Mass.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

C. PUMP REGULATORS.
Curtis Regulator Co., 63 Beverly St., Boston, Mass.
Knowles Steam Pump Works, Warren, Mass.
Mason Regulator Co., 10 Central St., Boston, Mass.

D. PUMP STROKE COUNTERS.
Union Water Meter Co., Worcester, Mass.

1353. STREET WASHERS.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Rumsey & Co., Ltd., 107 Liberty St., New York.

1354. STUFF PUMPS.
Black & Clawson Co., Hamilton, O. *200
Deane Steam Pump Co., Holyoke, Mass. *170–2
W. & B. Douglas, Middletown, Conn. *162
Gordon Steam Pump Co., Hamilton, O. *188-9
Holyoke Machine Co., Holyoke, Mass.
J. H. Horne & Sons Co., Lawrence, Mass.
Lowell Machine Shop, Lowell, Mass.
Morris Machine Works, Baldwinsville, N. Y.
Windsor Locks Machine Co., Windsor Locks, Conn.

1355. SUCTION PUMPS, HAND.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Cardwell Machine Co., Richmond, Va.
A. D. Cook, Lawrenceburg, Ind.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Eclipse Wind Engine Co., Beloit, Wis.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Haydenville Mfg. Co., 73 Beekman St., New York.
I-X-L Pump, Lumber & Mfg. Co., Goshen, Ind.
Laidlaw & Dunn Co., Pearl & Plum Sts., Cincinnati, O.
Mast, Foos & Co., Springfield, O.
Moline Pump Co., Moline, Ill.
F. E. Myers & Bro., Ashland, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
Smith, Winchester & Co., S. Windham, Conn.
Superior Machine Co., Springfield, O.
Union Hardware Co., Torrington, Conn.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1356. SUGAR HOUSE PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Robt. Deeley & Co., 507 W. 23d St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Knowles Steam Pump Works, Warren, Mass.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1357. SYRUP PUMPS.
Gordon Steam Pump Co., Hamilton, O. *188-9
Knowles Steam Pump Works, Warren, Mass.
Smith & Vaile Co., Dayton, O.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1358. TANK PUMPS.
Barr Pumping Engine Co., 241 S. 3d St., Philadelphia, Pa.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Buffalo Steam Pump Co., Buffalo, N. Y.
Andrew J. Corcoran, 76 John St., New York.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Lawrence Machine Co., Lawrence, Mass.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
F. Cortez Wilson & Co., 239 Lake St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1359. TANNERY PUMPS.

Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Jos. Edwards & Co., 412 Water St., New York.
Gordon Steam Pump Co., Hamilton, O. *188–9
Hall Steam Pump Co., Allegheny, Pa.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Smith & Vaile Co., Dayton, O.
Valley Pump Co., Easthampton, Mass. *219
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1360. TEST PUMPS, HYDRAULIC.

Ashcroft Mfg. Co., 111 Liberty St., New York.
H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.
Crosby Steam Gage & Val. Co., 93 Oliver St., Boston, Mass. *128
Goulds Mfg. Co., Seneca Falls, N. Y.
Rumsey & Co., Ltd., 107 Liberty St., New York.
F. Shaw, 915 Ridge Av., Philadelphia, Pa.
Worthington Pumping Eng. Co., 145 B'way, New York. *241

1361. VACUUM PUMPS.

Barr Pumping Engine Co., 244 S. 3d St., Philadelphia, Pa.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
A. S. Cameron Steam Pump Works, 433 E. 23d St., New York.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Colwell Iron Works, 549 W. 27th St., New York.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Robert Deeley & Co., 507 W. 32d St., New York.
Deming Co., Salem, O.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gordon Steam Pump Co., Hamilton, O. *188–9
Goulds Mfg. Co., Seneca Falls, N. Y.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Norman Hubbard, 93 Pearl St., Brooklyn, N. Y.
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.
Jas. G. Pulling & Co., Columbus, O.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Engine Co., 145 Broadway, New York. *241

1362. VINEGAR PUMPS.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170–2
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.

1363. WELL PUMPS.

Althouse, Wheeler & Co., Waupun, Wis.
F. F. Collins Mfg. Co., San Antonio, Tex.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Robert Deeley & Co., 507 W. 32d St., New York.
Deming Co., Salem, O.
Goulds Mfg. Co., Seneca Falls, N. Y.
Kalamazoo Tubular Well Co., Kalamazoo, Mich.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Smith & Vaile Co., Dayton, O.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.

A. ARTESIAN WELL PUMPS.

American Well Works, Aurora, Ill.

Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
A. D. Cook, Lawrenceburg, Ind.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170-2
W. & B. Douglas, Middletown, Conn. *162
Gordon Steam Pump Co., Hamilton, O. *188-9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Hardwicke & Ware, Buffalo, N. Y.
Keystone Driller Co., Ltd., Beaver Falls, Pa.
Knowles Steam Pump Works, Warren, Mass.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Smith & Vaile Co., Dayton, O.

B. DEEP WELL PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deane Steam Pump Co., Holyoke, Mass. *170-2
Deming Co., Salem, O.
Eclipse Wind Engine Co., Beloit, Wis.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Gordon Steam Pump Co., Hamilton, O. *188-9
Hall Steam Pump Co., Allegheny, Pa.
C. B. Hardick's Niagara Steam Pump Works, Brooklyn, N. Y.
Knowles Steam Pump Works, Warren, Mass.
Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
James G. Pulling & Co., Columbus, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Smith & Vaile Co., Dayton, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

C. DRIVE WELL PUMPS.
W. & B. Douglas, Middletown, Conn. *162
Eclipse Wind Engine Co., Beloit, Wis.
I-X-L Pump, Lumber & Mfg. Co., Goshen, Ind.
Peoria Pump Co., Peoria, Ill.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.

D. WELL FORCE PUMPS.
Deming Co., Salem, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Superior Machine Co., Springfield, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

1364. WINDMILL PUMPS.
Althouse, Wheeler & Co., Waupun, Wis.
American Well Works, Aurora, Ill.
Challenge Windmill & Feed Mill Co., Batavia, Ill.
Deming Co., Salem, O.
W. & B. Douglas, Middletown, Conn. *162
Eclipse Wind Engine Co , Beloit, Wis.
Elgin Wind Power & Pump Co., Elgin, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
F. W. Krogh & Co., San Francisco, Cal.
A. Y. McDonald Mfg. Co., Dubuque, Iowa.
Marseilles Mfg. Co., Marseilles, Ill.
May Bros., Galesburg, Ill.
Moline Pump Co., Moline, Ill.
Monitor Mfg. Co., Auburn, Ind.
Perkins Wind Mill & Axe Co , Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Red Jacket Pump Co., Davenport, Iowa.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Sandwich Enterprise Co., Sandwich, Ill.
Springer & Gregory, Rockford, Ill.
Springfield Machine Co., Springfield, O.
Stover Mfg. Co., Freeport, Ill.
John Stowall, Stockton, Cal.
Sunflower Windmill Co., Topeka, Kan.
Superior Machine Co., Springfield, O.
Union Mfg. Co., New Britain, Conn. *124
U. S. Wind Engine & Pump Co., Batavia, Ill.
E. B. Winger, Freeport, Ill.

1365. WRECKING PUMPS.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Deane Steam Pump Co., Holyoke, Mass. *170-2
Joseph Edwards & Co., 412 Water St., New York.
Gordon Steam Pump Co., Hamilton, O. *188-9
Hughes Steam Pump Co., Cleveland, O.
Knowles Steam Pump Works, Warren, Mass.

Lawrence Machine Co., Lawrence, Mass.
Silsby Mfg. Co., Seneca Falls, N. Y.
Smith & Vaile Co., Dayton, O.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.
Worthington Pumping Eng. Co., 145 Broadway, New York. *241

TEXTILE.

1366. BALLING MACHINES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Hopedale Machine Co., Hopedale, Mass.

1367. BANDING MACHINES.
American Card Clothing Co., Worcester, Mass. *138
Cleveland Machine Works, Worcester, Mass.
Geo. Draper & Sons, Hopedale, Mass.

1368. BEAMERS.
American Card Clothing Co., Worcester, Mass. *138
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Hughes & Russum, Frankford, Philadelphia, Pa.
Paterson Machine Works, Paterson, N. J.

1369. BLEACHING MACHINERY.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Granger Foundry & Machine Co., Providence, R. I.
Holyoke Machine Co., Holyoke, Mass.
Phenix Iron Foundry, Providence, R. I.
Swamscot Machine Co., S. New Market, N. H.
Warfield Mfg. Co., Baltimore, Md.

1370. BOBBIN WINDERS.
American Card Clothing Co., Worcester, Mass. *138
Cleveland Machine Works, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Tomkins Bros., Troy, N. Y.

A. BOBBIN HOLDERS.
Geo. Draper & Sons, Hopedale, Mass.

1371. BRAIDING MACHINES.
New England Butt Co., Providence, R. I. *138
Rhode Island Braiding Machine Co., Providence, R. I.

1372. BURLING IRONS.
American Supply Co., Providence, R. I. *173

1373. BURRING MACHINES.
Atlas Mfg. Co., Newark, N. J.
Curtis & Marble, Worcester. Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
James Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

1374. CARD GRINDING MACHINES.
James Barker, 2d & Somerset Sts., Philadelphia, Pa.
Cleveland Machine Works, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Hardy Machine Co., Biddeford, Me.
Hopedale Machine Co., Hopedale, Mass.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
B. S. Roy, 75 Beacon St., Worcester, Mass.

1375. CARDING MACHINERY.

A. CARD CLOTHING.
American Card Clothing Co., Worcester, Mass. *138
Atlas Mfg. Co., Newark, N. J.
W. H. Bagshaw, Lowell, Mass.
Bisco & Denny, Leicester, Mass., & Manchester, N. H.
Wm. Crabb & Co., Newark, N. J.
Davis & Furber Machine Co , N. Andover Depot, Mass.
Decker & Bonitz Co., Philadelphia, Pa.
T. K. Earle Mfg. Co., Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Howard Bros. Mfg. Co., Worcester, Mass.
Kitson Machine Co., Lowell, Mass.
Lowell Card Co., Lowell, Mass.
J. & J. Murdock, Leicester, Mass.
D. F. Robinson, Lawrence, Mass.
Sargeant Card Clothing Co., Worcester, Mass.
Jas. Smith & Co., 137 Market St., Philadelphia, Pa.
Jas. Smith Woolen Machine Co., 411 Race St., Philadelphia, Pa.
Stedman & Fuller Mfg. Co., Providence, R. I.
E. P. Stetson, Walpole, Mass.
E. C. Waite & Co., Leicester, Mass.
L. S. Watson & Co., Leicester, Mass.
H. A. White Mfg. Co., Leicester, Mass.
W. & J. Whittemore, Leicester, Mass.

B. CARD FEED ROLLS.
Atlas Mfg. Co., Cross & Spring Sts., Newark, N. J.
Curtis & Marble, Worcester, Mass.

Fall River Machine Co., Fall River, Mass. *103
Geo. S. Harwood & Son, 220 Devonshire St., Boston, Mass.
Kinyon Bros., Raritan, N. J.
Sargent & Co., New Haven, Conn.
M. A. Furbush & Son Machinery Co , 224 Market St., Phila., Pa.

C. CARDERS' TOOLS.
Wm. H. Brown, Worcester, Mass.

D. COTTON CARDS.
James H. Billington & Co., 113 Chestnut St., Philadelphia, Pa.
Decker Machine Co., 22 S. 2d St., Philadelphia, Pa.
Fall River Machine Co., Fall River, Mass. *103
Franklin Machine Co., Providence, R. I.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Pettee Machine Works, Newton Upper Falls, Mass.
John M. Pevey, Lowell, Mass.
Saco Water Power Machine Shop, Biddeford, Me.
Whitin Machine Works, Whitinsville, Mass.

E. DOFFER COMBS.
James Barker, 2d & Somerset Sts., Philadelphia, Pa.
Cleveland Machine Works, Worcester, Mass.
Decker Machine Co., 22 S. 2d St., Philadelphia, Pa.
Providence Machine Co., Providence, R. I.
Textile Machine Co., Ltd., 800 S. 11th St., Philadelphia, Pa.
Wright Machine Co., Worcester, Mass.

F. DOFFER COMB MOTIONS.
James Barker, 2d & Somerset Sts., Philadelphia, Pa.
Cleveland Machine Works, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.

G. FELT CARDS.
Cleveland Machine Works, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.

H. FOSS & PEVEY CARDS.
Fall River Machine Co., Fall River, Mass. *103
Lowell Machine Shop, Lowell, Mass.
Pettee Machine Works, Newton Upper Fall, Mass.
John M. Pevey, Lowell, Mass.

I. HAND CARDS.
L. S. Watson & Co., Leicester, Mass.

J. SHODDY CARDS.
Cleveland Machine Works, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.

K. WOOL CARDS.
American Card Clothing Co., Worcester, Mass. *138
Cleveland Machine Works, Worcester, Mass.
Decker Machine Co., 22 S. 2d St., Philadelphia, Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Sargent & Co., New Haven, Conn.
James Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

L. WORSTED CARDS.
Cleveland Machine Works, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.

1376. CARPET MACHINERY.
H. W. Butterworth & Sons, E. York & Cedar Sts., Philadelphia, Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.

A. CARPET ROLLING MACHINES.
W. W. Altemus & Son, 4th & Somerset Sts., Philadelphia, Pa.
Curtis & Marble, Worcester, Mass.

1377. CHINCHILLA MACHINES.
Cleveland Machine Works, Worcester, Mass.

1378. CLOTH PRESSES, ROTARY STEAM.
Curtis & Marble, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Holyoke Machine Co., Holyoke, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

A. PRESS PLATES.
Cleveland Machine Works, Worcester, Mass.

1379. CLOTH ROOM MACHINERY.

A. CLOTH BRUSHING MACHINES.
Birmingham Iron Foundry, Birmingham, Conn.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
Davis Sewing Machine Co., Dayton, O.
Parks & Woolson Machine Co., Springfield, Vt.
Ellis Thayer, Pawtucket, R. I. *64

B. CLOTH CALENDERING MACHINES.
H. W. Butterworth & Sons, York & Cedar Sts., Philadelphia, Pa.
Curtis & Marble, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Holyoke Machine Co., Holyoke, Mass.
Kilburn, Lincoln & Co., Fall River, Mass.
Lowell Machine Shop, Lowell, Mass.
Phenix Iron Foundry, Providence, R. I.

C. CLOTH FOLDING MACHINES.
Lowell Machine Shop, Lowell, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

D. CLOTH INSPECTING MACHINES.
Curtis & Marble, Worcester, Mass.
Dinsmore Mfg. Co., 28 Kneeland St., Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

E. CLOTH MEASURING MACHINES.
H. W. Butterworth & Sons, E. York & Cedar Sts., Philadelphia, Pa.
Curtis & Marble, Worcester, Mass.

Dinsmore Mfg. Co., 28 Kneeland St., Boston, Mass.
Fabric Measuring & Package Co., 34 Thomas St., New York.
Parks & Woolson Machine Co., Springfield, Vt.

F. CLOTH ROLLING MACHINES.
Curtis & Marble, Worcester, Mass.
Dinsmore Mfg. Co., 28 Kneeland St., Boston, Mass.

G. CLOTH ROOM SEWING MACHINES.
Dinsmore Mfg. Co., 28 Kneeland St., Boston, Mass.
Singer Mfg. Co., 385 Broadway, New York. *214-15

H. CLOTH WINDING MACHINES.
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.

I. CUT MARKERS.
Dinsmore Mfg. Co., 28 Kneeland St., Boston, Mass.
Hopedale Machine Co., Hopedale, Mass.

1380. CLOTH STRETCHERS.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
Granger Foundry & Machine Co., Providence, R. I.
Holyoke Machine Co., Holyoke, Mass.
Chas. A. Luther & Co., Pawtucket, R. I.
Phenix Iron Foundry, Providence, R. I.

A. TENTERING MACHINES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Cleveland Machine Works, Worcester, Mass.
John Heathcote, Providence, R. I.
Kinyon Bros., Raritan, N. J.
I. E. Palmer, Middletown, Conn. *65
Phenix Iron Foundry, Providence, R. I.

1381. COTTON ELEVATORS.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

1382. COTTON MACHINERY.
Atherton Machine Co., Lowell, Mass.
Geo. Draper & Sons, Hopedale, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Fales & Jenks Machine Co., Pawtucket, R. I.
Fall River Machine Co., Fall River, Mass. *103
Kitson Machine Co., Lowell, Mass.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Machinists Association, Paterson, N. J.
Pettee Machine Works, Newton Upper Falls, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power Machine Shop, Biddeford, Me.
S. Morgan Smith, York, Pa.
Geo. W. Stafford Mfg. Co., Providence, R. I.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1383. CROCHETING MACHINERY.
Jos. Heginbotham Mach. Co., 2077 E. Cumberland St., Phila., Pa.
J. B. Merrow & Sons, Norwich, Conn.

1384. DOBBIES.
Atwood Machine Co., Stonington, Conn.
Lawrence Flyer & Spindle Works, Lawrence, Mass.
John Royle & Sons, Paterson, N. J.
Geo. W. Stafford Mfg. Co., Providence, R. I.

1385. DRAWING FRAMES, COTTON.
Fall River Machine Co., Fall River, Mass. *103
Franklin Machine Co., Providence, R. I.
Lowell Machine Shop, Lowell, Mass.
Pettee Machine Works, Newton Upper Falls, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power Machine Shop, Biddeford, Me.
Whitin Machine Works, Whitinsville, Mass.

1386. DRESSERS.

A. COTTON DRESSERS.
Cleveland Machine Works, Worcester, Mass.
Whitin Machine Works, Whitinsville, Mass.

B. DRESSER REELS.
Cleveland Machine Works, Worcester, Mass.

C. THREAD DRESSERS.
Chas. A. Luther & Co., Pawtucket, R. I.

D. WOOL DRESSERS.
American Card Clothing Co., Worcester, Mass. *138
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.

E. YARN DRESSERS.
Cleveland Machine Works, Worcester, Mass.
M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
Chas. A. Luther & Co., Pawtucket, R. I.

1387. DRYING MACHINES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Cleveland Machine Works, Worcester, Mass.
Granger Foundry & Machine Co., Providence, R. I.
John Heathcote, Providence, R. I.
Holyoke Machine Co., Holyoke, Mass.
James Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

A. CARPET DRYERS.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa

B. CLOTH DRYERS.	Birmingham Iron Foundry, Birmingham, Conn.
	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Cleveland Machine Works, Worcester, Mass.
	Kinyon Bros., Raritan, N. J.
C. COTTON DRYERS.	B. F. Sturtevant, 34 Oliver St., Boston, Mass.
D. PADDING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
E. PRINT WORKS DRYING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Thos. Phillips & Co., Providence, R. I.
	Providence Steam Engine Co., Providence, R. I.
F. WARP DRYING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
G. WOOL DRYERS.	Huyett & Smith Mfg. Co., Detroit, Mich.
	Kitson Machine Co., Lowell, Mass.
	Philadelphia Textile Mach. Co., Hancock & Lehigh Sts., Phila., Pa.
H. YARN DRYERS.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
1388. DYEING MACHINERY.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
	Granger Foundry & Machine Co., Providence, R. I.
	Holyoke Machine Co., Holyoke, Mass.
	Phenix Iron Foundry, Providence, R. I.
A. BLUEING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Phenix Iron Foundry, Providence, R. I.
B. DYE BECKS.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Phenix Iron Foundry, Providence, R. I.
	Scannell & Wholey, Lowell, Mass.
	Swamscot Machine Co., S. New Market, N. H.
1389. EVENER MOTIONS.	Lowell Machine Shop, Lowell, Mass.
	Mason Machine Works, Taunton, Mass.
	Saco Water Power Machine Shop, Biddeford, Me.
A. EVENER CONES.	Evans Friction Cone Co., 85 Water St., Boston, Mass.
1390. FINISHING MACHINERY.	
A. CARPET FINISHING MACHINES.	Curtis & Marble, Worcester, Mass.
	Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.
B. CLOTH FINISHING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Cleveland Machine Works, Worcester, Mass.
	Curtis & Marble, Worcester, Mass.
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
	Holyoke Machine Co., Holyoke, Mass.
	I. E. Palmer, Middletown, Conn *65
	Parks & Woolson Machine Co., Springfield, Vt.
C. COTTON FINISHING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Curtis & Marble, Worcester, Mass.
	Granger Foundry & Machine Co., Providence, R. I.
	Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.
	Phenix Iron Foundry, Providence, R. I.
D SILK FINISHING MACHINES.	Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.
E. WOOL FINISHING MACHINES.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Cleveland Machine Works, Worcester, Mass.
	Curtis & Marble, Worcester, Mass.
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
	Granger Foundry & Machine Co., Providence, R. I.
	Holyoke Machine Co., Holyoke, Mass.
	Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.
F. WORSTED FINISHING MACHINERY.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Cleveland Machine Works, Worcester, Mass.
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
	Granger Foundry & Machine Co., Providence, R. I.
	Holyoke Machine Co., Holyoke, Mass.
1391. FLAX MACHINERY.	Wm. Crabb & Co., Newark, N. J.
	W. Eddy & Sons, Greenwich, N. Y.
	Machinists Association, Paterson, N. J.
1392. FLOCK CUTTERS.	Curtis & Marble, Worcester, Mass.
1393. FLOCK RENOVATORS.	Curtis & Marble, Worcester, Mass.
1394. FLY FRAMES, COTTON.	Fall River Machine Co., Fall River, Mass. *103
	Lowell Machine Shop, Lowell, Mass.
	Saco Water Power Machine Shop, Biddeford, Me.
	Whitin Machine Co., Whitinsville, Mass.
	Woonsocket Machine & Press Co., Woonsocket, R. I. *177
A. FLYERS.	Benj. Buckley's Son, Paterson, N. J.
	Lawrence Flyer & Spindle Works, Lawrence, Mass.
	Providence Machine Co., Providence, R. I.
	J. A. V. Smith, Manchester, N. H.
B. INTERMEDIATES.	Lowell Machine Shop, Lowell, Mass.
	Saco Water Power Machine Shop, Biddeford, Me.
	Whitin Machine Co., Whitinsville, Mass.
1395. FULLING MILLS.	American Card Clothing Co., Worcester, Mass. *138

	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
	M. A. Furbush & Son Mach. Co., 224 Market St., Phila, Pa.
	Jas. Hunter Machine Co , N. Adams, Mass.
	Kinyon Bros., Raritan, N. J.
	H. W. Scott, Bennington, Vt.
1396. GARNETT MACHINES.	Jas. Smith Woolen Machinery Co., 411 Race St., Phila., Pa
1397. HACKLES.	Wm. Crabb & Co., Newark, N. J.
A. HACKLE PINS.	Wm. Crabb & Co., Newark, N. J.
	H. A. Williams Mfg. Co., Taunton, Mass. *52
1398. JACQUARD CARD STITCHING MACHINES.	
	Singer Mfg. Co., 385 Broadway, New York. *214-15
1399. JIGGERS.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
	Duncan Mackenzie, Trenton, N. J. *118
1400. KNITTING MACHINES.	Branson Machine Co., 506 John St., Philadelphia, Pa.
	Campbell & Clute, Cohoes, N. Y.
	Crane Mfg. Co., Lake Village, N. H.
	John W. Hepworth & Co., Lehigh Av. & Mascher St., Phila., Pa.
	Lewis Jones, Bristol, Pa.
	Lamb Knitting Machine Mfg. Co., Chicopee Falls, Mass. *176
	W. P. McClure & Co., 56 N. 6th St., Philadelphia, Pa.
	Nye & Tredick, 608 Arch St., Philadelphia, Pa.
	Tompkins Bros., Troy, N. Y.
	A. Wrightson, 2000 N. 2d St., Philadelphia, Pa.
A. CARDIGAN JACKET MACHINES.	George A. Leighton, Manchester, N. H.
B. CORD KNITTERS.	E. Tiffany & Son, Bennington, Vt.
C. HAND KNITTING MACHINES.	Branson Mach. Co., 506 John St., Philadelphia, Pa.
	Lamb Knitting Machine Mfg. Co., Chicopee Falls, Mass. *176
D. RIBBED KNITTING MACHINES.	Branson Mach. Co , 506 John St., Philadelphia, Pa.
	Mayo Knitting Machine Co., Franklin, N. H.
	Nye & Tredick, 608 Arch St., Philadelphia, Pa.
	E. Tiffany & Son, Bennington, Vt.
E. SEAMLESS HOSIERY MACHINERY.	J. Heginbotham Machine Co.,2077 E. Cumberland St.,Phila.,Pa.
	George A. Leighton, Manchester, N. H.
	Mayo Knitting Machine Co., Franklin, N. Y.
F. SHIRT BORDER MACHINES.	E. Tiffany & Son, Bennington, Vt.
G. UNDERWEAR KNITTING MACHINES.	J. Heginbotham Machine Co.,2077 E. Cumberland St., Phila.,Pa.
	E. Tiffany & Son, Bennington, Vt.
	Tompkins Bros., Troy, N. Y.
1401. KNITTING MACHINE ACCESSORIES.	
A. KNITTER EVENER CONES.	Evans Friction Cone Co., 85 Water St., Boston, Mass.
B. KNITTING MACHINE NEEDLES.	G. H. Adams & Co., Hill, N. H.
	Am. Spring Needle Works, New Britain, Conn.
	Branson Machine Co., 506 John St., Philadelphia, Pa.
	Cnas. Cooper, Bennington, Vt.
	Wm. Corey Co., Manchester, N. H.
	Jones & Goynes, Cohoes, N. Y.
	J. Martin & Son, Manchester, Conn.
	Jas. B. Randall, Brattleboro', Vt.
	Star Needle Co., Laconia, N. H.
	Wardwell Needle Co., Lake Village, N. H.
C. LATCH NEEDLES.	Franklin Needle Co., Franklin, N. H.
	Jones & Goynes, Cohoes, N. Y.
	Lamb Knitting Machine Mfg. Co., Chicopee Falls, Mass. *176
	A. W. Page & Co., Chicopee Falls, Mass.
D. NEEDLE CYLINDERS.	Branson Machine Co., 506 John St., Philadelphia, Pa.
	Lamb Knitting Machine Mfg. Co., Chicopee Falls, Mass. *176
1402. LOOMS.	
A. AXMINSTER LOOMS.	Alex. Sinclair, Smithville, N. J.
B. BAG LOOMS.	Crompton Loom Works, Worcester, Mass. *174
	Knowles Loom Works, Worcester, Mass. *175
C. CARPET LOOMS.	Crompton Loom Works, Worcester, Mass. *174
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
	Gilbert Loom Co., Worcester, Mass. *132
	Knowles Loom Works, Worcester, Mass. *175
	J. & W. Lyall, 540 W. 23d St., New York.
	J. B. Parker Machine Co., Clinton, Mass.
D. CASSIMERE LOOMS.	Crompton Loom Works, Worcester, Mass. *174
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.
	Gilbert Loom Co., Worcester, Mass. *132
	Knowles Loom Works, Worcester, Mass. *175
E. COTTON DUCK LOOMS.	Robt. Poole & Son Co., Baltimore, Md. *132
F. COTTON LOOMS.	D. C. Brown, Lowell, Mass.
	Crompton Loom Works, Worcester, Mass. *174

	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Fall River Machine Co., Fall River, Mass.	*103
	Gilbert Loom Co., Worcester, Mass.	*132
	Kilburn, Lincoln & Co., Fall River, Mass.	
	Knowles Loom Works, Worcester, Mass.	*175
	Lowell Machine Shop, Lowell, Mass.	
	Mason Machine Works, Taunton, Mass.	
	Old Colony Machine Co., Plymouth, Mass.	
	Pettee Machine Works, Newton Upper Falls, Mass.	
	Riehl & Clark, 1130 Charlotte St., Philadelphia, Pa.	
	Woonsocket Machine & Press Co., Woonsocket, R. I.	*177
	Whitin Machine Works, Whitinsville, Mass.	
G. CURTAIN LOOMS.	Knowles Loom Works, Worcester, Mass.	*175
H. DRESS GOODS LOOMS.	Knowles Loom Works, Worcester, Mass.	*175
I. ELASTIC WEBBING LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
J. FANCY LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.	
	Gilbert Loom Co., Worcester, Mass.	*132
	Knowles Loom Works, Worcester, Mass.	*175
K. FELTING LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
L. FRINGE LOOMS.	T. Ehrenberg, 517 W. 45 St., New York.	
	Kek & Co., 343 W. 37th St.,New York.	
M. GINGHAM LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Gilbert Loom Co., Worcester, Mass.	*132
	Knowles Loom Works, Worcester, Mass.	*175
N. GORING LOOMS.	Knowles Loom Works, Worcester Mass.	*175
O. JACQUARD LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	M. A. Furbush & Son Machy. Co., 224 Market St., Phila., Pa.	
	James Jackson, Paterson, N. J.	
	Knowles Loom Works, Worcester, Mass.	*175
	Lawrence Flyer & Spindle Works, Lawrence, Mass.	
	John Royle & Sons, Paterson, N. J.	
	George W. Stafford Mfg. Co., Providence, R. I.	
P. JEAN LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Gilbert Loom Co, Worcester, Mass.	*132
	Knowles Loom Works, Worcester, Mass.	*175
Q. JUTE CARPET LOOMS.	Knowles Loom Works, Worcester, Mass.	*175
R. PLUSH LOOMS.	Gilbert Loom Co., Worcester, Mass.	*132
	Knowles Loom Works, Worcester, Mass.	*175
S. RIBBON LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	T. Ehrenberg, 517 W. 45th St., New York.	
	Gilbert Loom Co., Worcester, Mass.	*132
	Kek & Co., 343 W. 37th St., New York.	
	Knowles Loom Works, Worcester, Mass.	
	Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.	
T. RUG LOOMS.	Knowles Loom Works, Worcester, Mass.	*175
U. SILK LOOMS.	Atwood Machine Co., Stonington, Conn.	
	Crompton Loom Works, Worcester, Mass.	*174
	Kilburn, Lincoln & Co., Fall River, Mass.	
	Knowles Loom Works, Worcester, Mass.	*175
	Paterson Machine Works, Paterson, N. J.	
V. SUSPENDER LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	T. Ehrenberg, 517 W. 45th St., New York.	
	Kek & Co., 343 W. 37th St., New York.	
	Knowles Loom Works, Worcester, Mass.	*175
	Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.	
W. TAPE LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	T. Ehrenberg, 517 W. 45th St., New York.	
	Gilbert Loom Co., Worcester, Mass.	*132
	Kek & Co., 343 W. 37th St., New York.	
	Knowles Loom Works, Worcester, Mass.	*175
	Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.	
X. UPHOLSTERY LOOMS.	Knowles Loom Works, Worcester, Mass.	*175
Y. VELVET LOOMS.	Gilbert Loom Co., Worcester, Mass.	*132
	Knowles Loom Works, Worcester, Mass.	*175
Z. WEBBING LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	Knowles Loom Works, Worcester, Mass.	*175
AA. WEFT LOOMS.	Knowles Loom Works, Worcester, Mass.	*175
BB. WOOLEN LOOMS.	Crompton Loom Works, Worcester, Mass.	*174
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	M. A. Furbush & Son Machine Co., 224 Market St., Phila., Pa.	
	Gilbert Loom Co., Worcester, Mass.	*132
	Knowles Loom Works, Worcester, Mass.	*175
	Thomas Wood & Co., 22d & Wood Sts., Philadelphia, Pa.	

CC. WORSTED LOOMS.
Crompton Loom Works, Worcester, Mass. *174
M. A. Furbush & Son Machine Co., 224 Market St., Phila., Pa.
Gilbert Loom Co., Worcester, Mass. *132
Knowles Loom Works, Worcester, Mass. *175
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1403. LOOM PARTS.
Brown Bros. & Co., Providence, R. I.
Crompton Loom Works, Worcester, Mass. *174
Fall River Machine Co., Fall River, Mass. *103
M. A. Furbush & Son Machine Co., 224 Market St., Phila., Pa.
Gilbert Loom Co., Worcester, Mass. *132
Knowles Loom Works, Worcester, Mass. *175
J. & W. Lyall, 540 W. 23d St., New York.

A. COMPASS BOARDS.
James Jackson, Paterson, N. J.
Knowles Loom Works, Worcester, Mass. *175
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.

B. FANCY LOOM ATTACHMENTS.
Crompton Loom Works, Worcester, Mass. *174
M. A. Furbush & Son Machine Co., 224 Market St., Phila., Pa.
Gilbert Loom Co., Worcester, Mass. *132
Knowles Loom Works, Worcester, Mass. *175
Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.

C. FANCY LOOM PARTS.
Crompton Loom Works, Worcester, Mass. *174
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Gilbert Loom Co., Worcester, Mass. *132
Knowles Loom Works, Worcester, Mass. *175

D. LOOM ATTACHMENTS.
Brown Bros. & Co., Providence, R. I.
Crompton Loom Works, Worcester, Mass. *174
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Knowles Loom Works, Worcester, Mass. *175
Lawrence Flyer & Spindle Works, Lawrence, Mass.

E. LOOM BEAM TRUCKS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

F. LOOM TEMPLES.
Geo. Draper & Sons, Hopedale, Mass.
Knowles Loom Works, Worcester, Mass. *175

G. REPEATING MACHINES.
Knowles Loom Works, Worcester, Mass. *175
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, N. 2d St. & Glenwood Av., Philadelphia, Pa.

H. SELVAGE MOTIONS.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Knowles Loom Works, Worcester, Mass. *175
Lawrence Flyer & Spindle Works, Lawrence, Mass.

I. SEPARATORS.
Geo. Draper & Sons, Hopedale, Mass.
Knowles Loom Works, Worcester, Mass. *175

J. SHUTTLE GUARDS.
Geo. Draper & Sons, Hopedale, Mass.
Knowles Loom Works, Worcester, Mass. *175
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

1404. NAPPING MACHINES.
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Gallup Bros., Marcellus, N. Y.
Tompkins Bros., Troy, N. Y.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

A. GIGGING MACHINES.
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Parks & Woolson Machinery Co., Springfield, Vt.

1405. OPENERS & LAPPERS, COTTON.
Atherton Machine Co., Lowell, Mass.
Kitson Machine Co., Lowell, Mass.
Whitin Machine Works, Whitinsville, Mass.

1406. PICKERING MACHINES.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Jas. Smith Woolen Machinery Co., 411 Race St., Philadelphia, Pa.

1407. PICKER PARTS.
Atlas Mfg. Co., Cross & Spring Sts., Newark, N. J.
Wm. Crabb & Co., Newark, N. J.
Chas. S. Dodge, Lowell, Mass.
E. H. Jacobs & Co., Danielsville, Conn.
H. A. Williams Mfg. Co., Taunton, Mass. *52

1408. PICKERS.
American Card Clothing Co., Worcester, Mass.
Atlas Mfg. Co., Cross & Spring Sts., Newark, N. J.
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Gilbert Loom Co., Worcester, Mass. *132
E. H. Jacobs & Co., Danielsville, Conn.
Samuel E. & T. Stott, Lowell, Mass.

1409. PLAITING MACHINES.
Rhode Island Braiding Machine Co., Providence, R. I.

1410. POINT NIPPERS.
American Supply Co., Providence, R. I. *173

1411. QUILLERS.
Robert Atherton, Paterson, N. J.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Franklin Machine Co., Providence, R. I.
Knowles Loom Works, Worcester, Mass. *175
Lawrence Flyer & Spindle Works, Lawrence, Mass.
Paterson Machine Works, Paterson, N. J.
Geo. W. Payne & Co., Pawtucket, R. I.
Rhode Island Braiding Machine Co., Providence, R. I.
John Royle & Sons, Paterson, N. J.

1412. RAILWAY HEADS.
Fall River Machine Co., Fall River, Mass. *103
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Pettee Machine Works, Newton Upper Falls, Mass.
Saco Water Power Machine Shop, Biddeford, Me.
Whitin Machine Works, Whitinsville, Mass.

1413. REELS.

A. COTTON YARN REELS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Hopedale Machine Co., Hopedale, Mass.
Lowell Machine Shop, Lowell, Mass.
Whitin Machine Works, Whitinsville, Mass.

B. LINEN YARN REELS.
Fairmount Machine Co , 22d & Wood Sts., Philadelphia, Pa.

C. THREAD REELS.
Chas. A. Luther & Co., Pawtucket, R. I.

D. WOOD YARN REELS.
American Card Clothing Co., Worcester, Mass. *138
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

E. YARN REELS.
American Card Clothing Co., Worcester, Mass. *138
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Machine Works, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Chas. A. Luther & Co., Pawtucket, R. I.

1414. ROVING FRAMES.
Fall River Machine Co., Fall River, Mass. *103
Hopedale Machine Co., Hopedale, Mass.
Lowell Machine Shop, Lowell, Mass.
Pettee Machine Works, Newton Upper Falls, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power Machine Shop, Biddeford, Me.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

A. ROVING FRAME GEARS.
Providence Machine Co., Providence, R. I.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1415. ROVING & YARN TESTING MACHINES.
American Supply Co., Providence, R. I. *173
F. H. Beecher, Seymour, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.

1416. SHEARING MACHINES, TEXTILE.
James Barker, Philadelphia, Pa.
Curtis & Marble, Worcester, Mass.
Dinsmore Mfg. Co., 28 Kneeland St., Boston, Mass.
Lowell Machine Shop, Lowell, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1417. SHEDDING ENGINES.
Lawrence Flyer & Spindle Works, Lawrence, Mass.

1418. SHEER FINISHING MACHINES.
I. E. Palmer, Middletown, Conn. *65

1419. SILK MACHINERY.
Robert Atherton, Paterson, N. J.
Atwood Machine Co., Stonington, Conn.
Benjamin Eastwood, Paterson, N. J.
Theodore Ehrenburg, 517 W. 45th St., New York.
Machinists Association, Paterson N. J.
Paterson Machine Works, Paterson, N. J.
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, N. 2d St. & Glenwood Av., Philadelphia, Pa.
Geo. W. Stafford Mfg. Co., Providence, R. I.
Jacob Walder, Paterson, N. J.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177
Thomas Wrigley, Paterson, N. J.

A. PIANO MACHINES.
John Royle & Sons, Paterson, N. J.
Schaum & Uhlinger, N. 2d. St. & Glenwood Av., Phila., Pa.

B. SILK DOUBLING MACHINES.
Robt. Atherton, Paterson, N. J.
Atwood Machine Co., Stonington, Conn.
Benj. Eastwood, Paterson, N. J.
John Royle & Sons, Paterson, N. J.
Thomas Wrigley, Paterson, N. J.

C. SILK REELING MACHINES.
Atwood Machine Co., Stonington, Conn.
John Royle & Sons, Paterson, N. J.

D. SILK QUILTING MACHINES.
Atwood Machine Co., Stonington, Conn.

1420. SINGEING MACHINES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Curtis & Marble, Worcester, Mass.
R. I. Braiding Machine Co., Providence, R. I.

1421. SIZING MACHINES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

A. SLASHER COMBS.
D. C. Brown, Lowell, Mass.
J. A. Gowdy & Son, Providence, R. I.
William Huston, Providence, R. I.

B. SLASHERS.
Bement, Miles & Co., Callowhill c. N. 2d Sts., Philadelphia, Pa.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Lowell Machine Shop, Lowell, Mass.
Thomas Phillips & Co., Providence, R. I.

1422. SLUBBING FRAMES.
Lowell Machine Shop, Lowell, Mass.
Pettee Machine Works, Newton Upper Falls, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power Machine Shop, Biddeford, Me.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

1423. SPEEDERS.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Pettee Machine Works, Newton Upper Falls, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power & Machine Shop, Biddeford, Me.

1424. SPINNING MACHINERY.

A. MULE ATTACHMENTS.
W. H. Bagshaw, Lowell, Mass.
M. A. Furbush & Son, Machinery Co., 224 Market St., Phila., Pa.
Lawrence Flyer & Spindle Works, Lawrence, Mass.
Samuel E. & T. Stott, Lowell, Mass.

B. MULE PARTS.
American Card Clothing Co., Worcester, Mass. *138
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Johnson & Bassett, Worcester, Mass.
Mason Machine Works, Taunton, Mass.
Saco Water Power & Machine Shop, Biddeford, Me.

C. MULES, COTTON.
James Brown, Pawtucket, R. I.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Saco Water Power Machine Shop, Biddeford, Me.

D. MULES, WOOLEN.
American Card Clothing Co., Worcester, Mass. *138
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Johnson & Bassett, Worcester, Mass.
J. B. Parker Machine Co., Clinton, Mass.
Jas. Smith Woolen Machinery Co., 411 Race St., Philadelphia, Pa.

E. RING SPINNING FRAMES.
Fales & Jenks Machine Co., Pawtucket, R. I.
Fall River Machine Co., Fall River, Mass. *103
Franklin Machine Co., Providence, R. I.
Lowell Machine Shop, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power Machine Shop, Biddeford, Me.
Whitin Machine Works, Whitinsville, Mass.

F. WOOL SPINNING FRAMES.
American Card Clothing Co., Worcester, Mass. *138
Fall River Machine Co., Fall River, Mass. *103
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Johnson & Bassett, Worcester, Mass.

1425. SPINNING WHEELS.
A. Meinecke & Son, Milwaukee, Wis.
Benjamin Pierce, Chesterfield Factory, N. H.

1426. SPOOLING MACHINERY.

A. COTTON SPOOLERS.
Geo. Draper & Sons, Hopedale, Mass.
Easton & Burnham, Pawtucket, R. I.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Fall River Machine Co., Fall River, Mass. *103
Hopedale Machine Co., Hopedale, Mass.
Lowell Machine Shop, Lowell, Mass.
Saco Water Power Machine Shop, Biddeford, Me.
Schaum & Uhlinger, N. 2d & Glenwood Av., Phila., Pa.
Jas. Smith Woolen Machinery Co., 411 Race St., Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.
Thomas Wrigley, Paterson, N. J.

B. PRESSER SPOOLERS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

C. SPOOLER GUIDES.
Geo. Draper & Sons, Hopedale, Mass.

D. SPOOLER STOP MOTIONS.
Fall River Machine Co., Fall River, Mass. *103
Hopedale Machine Co., Hopedale, Mass.
Lowell Machine Shop, Lowell, Mass.

E. SPOOLER TRAVERSE MOTIONS.
Geo. Draper & Sons, Hopedale, Mass.

F. WOOL SPOOLERS.
American Card Clothing Co., Worcester, Mass. *138

Cleveland Machine Works, Worcester, Mass.
Easton & Burnham, Pawtucket, R. I.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jas. Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

G. WORSTED SPOOLERS.
Cleveland Machine Works, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Jas. Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

H. YARN SPOOLERS.
Gilbert Loom Co., Worcester, Mass. *132

1427. TWISTING MACHINERY.

A. CORDAGE TWISTERS.
G. L. Brownell, Worcester, Mass.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
J. & W. Lyall, 540 W. 23d St., New York.

B. COTTON TWISTERS.
Collins Bros., Central Falls, R. I.
Franklin Machine Co., Providence, R. I.
Hopedale Machine Co., Lowell, Mass.
Lowell Machine Shop, Lowell, Mass.
Providence Machine Co., Providence, R. I.
Saco Water Power Machine Shop, Biddeford, Me.
Whitin Machine Works, Whitinsville, Mass.

C. SILK TWISTERS.
W. G. & A. R. Morrison Co., Willimantic, Conn.
John Royle & Sons, Paterson, N. J.

D. WOOL TWISTERS.
American Card Clothing Co., Worcester, Mass. *138
Cleveland Machine Works, Worcester, Mass.
Collins Bros., Central Falls, R I.
Fales & Jenks Machine Co., Pawtucket, R. I.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
J. B. Parker Machine Co., Clinton, Mass.
James Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

E. YARN TWISTERS.
Fairmount Machine Co., 22d & Wood St., Philadelphia, Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
J. B. Parker Machine Co., Clinton, Mass.

1428. WARPERS.
Robert Atherton, Paterson, N. J.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
Hopedale Machine Co., Hopedale, Mass.
Knowles Loom Works, Worcester, Mass. *175
Lowell Machine Shop, Lowell, Mass.
Paterson Machine Works, Paterson, N. J.
John Royle & Sons, Paterson, N. J.
Whitin Machine Works, Whitinsville, Mass.

1429. WARPING MILLS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.
Paterson Machine Works, Paterson, N. J.

A. WARP SPLITTERS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Granger Foundry & Machine Co., Providence, R. I.

1430. WINDERS.
Campbell & Clute, Cohoes, N. Y.
Cleveland Machine Works, Worcester, Mass.
Robt. Atherton, Paterson, N. J.
Benj. Eastwood, Paterson, N. J.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Fall River Machine Co., Fall River, Mass. *103
Franklin Machine Co., Providence, R. I.
Granger Foundry & Machine Co., Providence, R. I.
Lawrence Flyer & Spindle Works, Lawrence, Mass.
Lowell Machine Shop, Lowell, Mass.
J. & W. Lyall, 540 W. 23d St., New York.
Geo. W. Payne & Co., Pawtucket, R. I.
Providence Machine Co., Providence, R. I.
Thomas Wrigley, Paterson, N. J.

A. COP WINDERS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Fall River Machine Co., Fall River, Mass. *103
Gilbert Loom Co., Worcester, Mass.
Lever & Grundy, Lehigh Av. & Mutter St., Philadelphia, Pa.
J. & W. Lyall, 540 W. 23d St., New York.
Schaum & Uhlinger, N. 2d & Glenwood Avs., Philadelphia, Pa.

B. HAND WINDERS.
Branson Machine Co., 506 St. John St., Philadelphia, Pa.

C. QUILL WINDERS.
Fairmount Machine Co., 22d & Wood Sts., Philadelph a, Pa.
Schaum & Uhlinger, N. 2d & Glenwood Av., Philadelphia, Pa.

1431. WIRE COVERING MACHINERY.
New England Butt Co., Providence, R. I. *138

1432. WOOLEN MACHINERY.
American Card Clothing Co., Worcester, Mass. *138
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
M. A. Furbush Machinery Co., 224 Market St., Philadelphia, Pa.
Kinyon Bros., Raritan, N. J.
J. & W. Lyall, 540 W. 23d St., New York.

J. B. Parker Machine Co., Clinton, Mass.
Rodney-Hunt Machine Co., Orange, Mass.
James Smith Woolen Mach. Co., 411 Race St., Phila., Pa.
Geo. W. Stafford Mfg. Co., Providence, R. I.
Woonsocket Machine & Press Co., Woonsocket, R. I. *177

A. APRON & ROLL CONDENSERS. American Card Clothing Co., Worcester, Mass. *138
M. A. Furbush & Son Machinery Co., 224 Market St., Phila., Pa.

B. CLOTH WASHERS. Birmingham Iron Foundry, Birmingham, Conn.
James Hunter Machine Co., N. Adams, Mass.
Kinyon Bros., Raritan, N. J.

C. CRABBING MACHINES. H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.

D. WASTE DUSTERS. Cleveland Machine Works, Worcester, Mass.
T. V. & V. C. Stillman, Westerly, R. I.

E. WHIPPING MACHINERY. Cleveland Machine Works, Worcester, Mass.
Kinyon Bros., Raritan, N. J.

F. WOOL COMBS. W. H. Bagshaw, Lowell, Mass.
Wm. Crabb & Co., Newark, N. J.
Crompton Loom Works, Worcester, Mass. *174
Hopedale Machine Co., Hopedale, Mass.
Samuel E. & T. Stott, Lowell, Mass.

G. WOOL COMB NEEDLES. Wm. Crabb & Co., Newark, N. J.

H. WOOL DUSTERS. American Card Clothing Co., Worcester, Mass. *138
Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.

I. WOOL SCOURING MACHINES. H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Curtis & Marble, Worcester, Mass.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
James Hunter Machine Co., N. Adams, Mass.
Thomas Wood & Co., 22d & Wood Sts., Philadelphia, Pa.

J. WOOL WASHING MACHINES. H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Kinyon Bros., Raritan, N. J.
Kitson Machine Co., Lowell, Mass.
C. G. Sargent's Sons, Graniteville, Mass.
James Smith Woolen Machinery Co., 411 Race St., Phila., Pa.

K. WOOL WILLOWING MACHINE. Cleveland Machine Works, Worcester, Mass.
Curtis & Marble, Worcester, Mass.

L. WORSTED WASHERS. James Hunter Machine Co., N. Adams, Mass.

M. YARN POLISHERS. Chas. A. Luther & Co., Pawtucket, R. I.
W. Warren Thread Works, Westfield, Mass.

WOOD WORKING.

1433. BAND SAW MACHINES. Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Joseph O. Colladay, 62 Race St., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.
Defiance Machine Works, Defiance O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
S. C. Forsaith Machine Co., Manchester, N. H.
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Joshua Hendy Machine Works, San Francisco, Cal.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
J. M. Marston & Co., 226 Ruggles St., Boston, Mass. *250
Palmer, Parker & Co., 133 Portland St., Boston, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
P. Pryibil, 524 W. 41st St., New York. *152
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., S. Boston, Mass.

A. BAND SAW BLADES. American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
W. B. Barry Saw & Supply Co., Indianapolis, Ind. *156
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.
Rowley & Hermance, Williamsport, Pa. *196
Simonds Mfg. Co., Fitchburg, Mass.

B. DOUBLE BAND SAWING MACHINES.	Defiance Machine Works, Defiance, O.	
C. FOOT POWER BAND SAWS.	J. M. Marston & Co., 226 Ruggles St., Boston, Mass.	*250
1434. BOLTING SAWS.	Defiance Machine Works, Defiance, O.	
	M. Garland, Bay City, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	W. E. Rockwood & Co., Indianapolis, Ind.	
	Rowley & Hermance, Williamsport, Pa.	*196
A. GANG BOLTERS.	Filer & Stowell Co., Milwaukee, Wis.	
	M. Garland, Bay City, Mich.	
	E. & B. Holmes, Buffalo, N. Y.	*60
1435. BORING MACHINES.	Beaman & Smith, Provideuce, R. I.	
	John A. Bechtel & Son, Newport, Pa.	
	Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.	
	Cordesman Machine Co., 27 Butler St., Cincinnati, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	Garvin Machine Co., 9 Laight St., New York.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Henley Machine Tool Works, Richmond, Ind.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Levi Houston, Montgomery Station, Pa.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	Stow Mfg. Co., Binghamton, N. Y.	*240
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
A. BENCH BORING MACHINES.	Egan Co., 232 W. Front St , Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
B. BORING MACHINE AUGERS.	Currier Bros., Chesterfield Factory, N. H.	
	Irwin Augur Bit Co., Wilmington, O.	
	C. E. Jennings & Co., 79 Reade St., New York.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Snell Mfg. Co., 72 Reade St., New York.	
C. CAR BORING MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Snell Mfg. Co., 72 Reade St., New York.	
D. CARPENTERS' HAND BORERS.	C. E. Jennings & Co., 79 Reade St., New York.	
	Wm. P. Kellogg, Troy, N. Y.	
	Millers Falls Co., Millers Falls, Mass.	
	Russell & Erwin Mfg. Co., New Britain, Conn.	
	Snell Mfg. Co., 72 Reade St., New York.	
E. DOUBLE BORING MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Niles Tool Works, Hamilton, O.	*180–7
	C. B. Rogers & Co., Norwich, Conn.	*154
F. GANG BORING MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Williams, White & Co., Moline, Ill.	
G. HORIZONTAL BORING MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Fitchburg Machine Works, Fitchburg, Mass.	
	Frank & Co., Buffalo, N. Y.	
	Garvin Machine Co., 9 Laight St., New York.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	McIvers Bros. Machine Co., Worcester, Mass.	
	Nicholson & Waterman Mfg. Co., Providence, R. I.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	Witherby, Rugg & Richardson, Worcester, Mass.	*152

H. MACHINE BITS.	Connecticut Valley Mfg. Co., Centerbrook, Conn.	
	Currier Bros., Chesterfield Factory, N. H.	
	Rowley & Hermance, Williamsport, Pa.	*196
	Standard Tool Co., Cleveland, O.	
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
I. MACHINE BIT DRILLS.	Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.	
	Rowley & Hermance, Williamsport, Pa.	*196
	Standard Tool Co., Cleveland, O.	
J. PIN HOLE BORING MACHINES.	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Stow Mfg. Co., Binghamton, N. Y.	*240
K. PORTABLE BORING MACHINES.	Snell Mfg. Co., 72 Reade St., New York.	
	Stow Flexible Shaft Co., Ltd., N. 26th St. & Callowhill Av., Phila., Pa.	
	Stow Mfg. Co., Binghamton, N. Y.	*240
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
L. POST BORING MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
M. VERTICAL BORING MACHINES.	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Frank & Co., Buffalo, N. Y.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	McIvers Bros. Machir e Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Snell Mfg. Co., 72 Reade St., New York.	
1436. BUTTING MACHINES.	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
1437. CABINET MAKERS' BENCHES.		
	Champion Table Slide Co., 173 Randolph St., Chicago, Ill.	
	Chas. P. Parish & Co., 261 Franklin St., Chicago, Ill.	
1438. CABINET MAKERS' MACHINERY.		
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
1439. CARVING MACHINES.	Battle Creek Machinery Co., Battle Creek, Mich.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Frank & Co., Buffalo, N. Y.	
	Rowley & Hermance, Williamsport, Pa.	*196
	Stow Mfg. Co., Binghamton, N. Y.	*240
1440. CIGAR BOX MACHINERY.		
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
1441. CIRCULAR SAW MACHINES.		
	Bangor Foundry & Machine Co., Bangor, Me.	
	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	A. W. Gray's Sons, Middletown Springs, Vt.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
	J. M. Marston & Co., 226 Ruggles St., Boston, Mass.	*250
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	P. Pryibil, 524 W. 41st St., New York.	*152
	Richmond Locomotive & Machine Works, Richmond, Va.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
A. CAR CUT-OFF & GAINING MACHINES.	Egan Company, 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	L. Powers & Co., 20 S. 23d St., Philadelphia, Pa.	

	C. B. Rogers & Co., Norwich, Conn.	*154
B. CROSS-CUT SAW MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	Witherby, Rugg & Richardson, Worcester, Mass.	
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
C. CUT-OFF SAW MACHINES.	Bangor Foundry & Machine Co., Bangor, Me.	
	Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.	
	Cordesman Machine Co., 27 Butler St., Cincinnati, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	Frank & Co., Buffalo, N. Y.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	A. W. Gray's Sons, Middletown Springs, Vt.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
	J. M. Marston & Co., 226 Ruggles St., Boston, Mass.	*250
	Mecklenburg Iron Works, Charlotte, N. C.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
D. DIMENSION GAUGES.	E. C. Atkins & Co., Indianapolis, Ind.	*198
E. EDGING SAW MACHINES.	Bangor Foundry & Machine Co., Bangor, Me.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
	Mecklenburg Iron Works, Charlotte, N. C.	
	Rowley & Hermance, Williamsport, Pa.	*196
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
F. FOOT POWER CIRCULAR SAWS.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	John M. Marston & Co., 226 Ruggles St., Boston, Mass.	*250
	Seneca Falls Mfg. Co., Seneca Falls, N. Y.	
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
G. HAND POWER CIRCULAR SAWS.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	Barnes Tool Co., New Haven, Conn.	
	John M. Marston & Co., 226 Ruggles St., Boston, Mass.	*250
	Seneca Falls Mfg. Co., Seneca Falls, N. Y.	
H. HAND RIP SAWS.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
I. SLITTING SAWS.	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Rowley & Hermance, Williamsport, Pa.	*196
J. SWING CUT-OFF SAWS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Bangor Foundry & Machine Co., Bangor, Me.	
	Jos. O. Colladay, 626 Race St., Philadelphia, Pa.	
	Eagle Machine Works Co., Indianapolis, Ind.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Frank & Co., 176 Terrace St., Buffalo, N. Y.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Levi Houston, Montgomery Station, Pa.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	W. E. Rockwood & Co., Indianapolis, Ind.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
	Witherby, Rugg & Richardson, Worcester, Mass.	*152

1442. CIRCULAR SAW MANDRELS.

American Saw Co., Trenton, N. J.
Armitage-Herschell Co., Tonawanda, N. Y. *249
E. C. Atkins & Co., Indianapolis, Ind. *198
Bangor Foundry & Machine Co., Bangor, Me.
Capital City Machine Works, Columbus, O.
Dickson Mfg. Co., Scranton, Pa.
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Frank & Co., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Hinckley & Egery Iron Co., Bangor, Me.
R. Hoe & Co., 504 Grand St., New York.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
C. W. Le Count, S. Norwalk, Conn.
McIvers Bros. Machine Co., Worcester, Mass.
Pacific Saw Mfg. Co., San Francisco, Cal.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Richardson Bros., Newark, N. J.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1443. CIRCULAR SAWS.

American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.
W. B. Barry Saw & Supply Co., Indianapolis, Ind. *156
Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
Detroit Saw Works, Detroit, Mich.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Peter Gerlach & Co., Cleveland, O.
Jas. Goodwin, Albany, N. Y.
R. Hoe & Co., 504 Grand St., New York.
Kingsland & Douglas Mfg. Co., 1521 N. 2d St., St. Louis, Mo.
Wm. McNiece & Son, 515 Cherry St., Philadelphia, Pa.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.
Rowley & Hermance, Williamsport, Pa. *196
Simonds Mfg. Co., Fitchburg, Mass.
H. B. Smith Machine Co., Smithville, N. J.
N. W. Spaulding Saw Co., 17 Fremont St., San Francisco, Cal.
U. S. Wind Engine & Pump Co., Batavia, Ill.

A. CONCAVE CIRCULAR SAWS.

American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
W. B. Barry Saw & Supply Co., Indianapolis, Ind. *156
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Richardson Bros., Newark, N. J.

B. GROOVING SAWS.

American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Battle Creek Machinery Co., Battle Creek, Mich.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
R. Hoe & Co., 504 Grand St., New York.
Richardson Bros., Newark, N. J.
Rowley & Hermance, Williamsport, Pa. *196

C. INSERTED TOOTH CIRCULAR SAWS.

American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
R. Hoe & Co., 504 Grand St., New York.
Rowley & Hermance, Williamsport, Pa. *196
Simonds Mfg. Co., Fitchburg, Mass.

D. SEGMENT SAWS.

E. C. Atkins & Co., Indianapolis, Ind. *198
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Richardson Bros., Newark, N. J.
Rowley & Hermance, Williamsport, Pa. *196

1444. CLAPBOARD MACHINERY.

Bangor Foundry & Machine Co., Bangor, Me.
Butterworth & Lowe, Grand Rapids, Mich.

Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1445. DOVETAILING MACHINES.

Battle Creek Machinery Co., Battle Creek, Mich.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Blake & Johnson, Waterbury, Conn.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Knapp Dovetailing Machine Co., Florence, Mass. *157
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196

1446. EXCELSIOR CUTTERS. W. Gage, Augusta, Me.

1447. FLOORING MACHINES. Egan Co., 232 W. Front St., Cincinnati, O. *178
Glen Cove Machine Co., Ltd., 34 Clay St., Brooklyn, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
E. & B. Holmes, Buffalo, N. Y. *60
Levi Houston, Montgomery Station, Pa.
Lane Mfg. Co., Montpelier, Vt. *192
S. K. Lovewell & Co., Chelsea, Mass.
McIvers Bros. Machine Co,, Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1448. FOOT POWER MACHINERY.

W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.
John M. Marston & Co., 226 Ruggles St., Boston, Mass. *250
Narragansett Machine Co., Providence, R. I.

1449. JOINTERS.

S. Adams & Son, Rome, N. Y.
Bangor Foundry & Machine Co., Bangor, Me.
Buss Machine Works, Grand Rapids, Mich.
Jos. O. Colladay, 626 Race St., Philadelphia, Pa.
Egan Co., 32 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
S. A. Woods Machine Co., 172 High St., Boston, Mass.

A. GLUE JOINTERS. Frank & Co., Buffalo, N. Y.

B. JOINTER HEADS. Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
Samuel J. Shimer, Milton, Pa.

1450. KNIFE BALANCING MACHINES.

Defiance Machine Works, Defiance, O.
E. & B. Holmes, Buffalo, N. Y. *60

1451. LATH MACHINES. Bangor Foundry & Machine Co., Bangor, Me.
Butterworth & Lowe, Grand Rapids, Mich.
M. Garland, Bay City, Mich.
Garvin Machine Co., 9 Laight St., New York.
Hinckley & Egery Iron Co., Bangor, Me.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Rowley & Hermance, Williamsport, Pa. *196
Smith, Myers & Schnier, 323 W. Front St., Cincinnati, O.
Stearns Mfg. Co., Erie, Pa.

A. COMBINATION LATH MILLS & BOLTERS. Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
Mitts & Merrill, E. Saginaw, Mich.
Phœnix Mfg. Co., Eau Claire, Wis.
Rowley & Hermance, Williamsport, Pa. *196

B. LATH BOLTERS. Bangor Foundry & Machine Co., Bangor, Me.
Wm. E. Hill & Co., Kalamazoo, Mich.
Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
Mitts & Merrill, E. Saginaw, Mich.
N. Shaw & Co., Eau Claire, Wis.

C. LATH BUNDLERS. Davis Iron Works, Muskegon, Mich.
Phœnix Mfg. Co., Eau Claire, Wis.

D. LATH BUNDLERS & TRIMMERS. Wm. E. Hill & Co., Kalamazoo, Mich.
Lane Mfg. Co., Montpelier, Vt. *192–5

	Phœnix Mfg. Co., Eau Claire, Wis.	
E. LATH MILLS.	S. Adams & Son, Rome, N. Y.	
	Bangor Foundry & Machine Co., Bangor, Me.	
	Battle Creek Machinery Co., Battle Creek, Mich.	
	Butterworth & Lowe, Grand Rapids, Mich.	
	Chase Turbine Mfg. Co., Orange, Mass.	
	Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Frank & Co., 176 Terrace St., Buffalo, N. Y.	
	M. Garland, Bay City, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Lansing Iron & Engine Works, Lansing, Mich.	
	Mitts & Merrill, E. Saginaw, Mich.	
	Phœnix Mfg. Co., Eau Claire, Wis.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	C. Wight & Son, Dayton, O.	
	W. J. Young & Co., Clinton, Iowa.	
1452. LATHES, WOOD TURNING.		
	Battle Creek Machinery Co., Battle Creek, Mich.	
	Cordesman Machine Co., 27 Butler St., Cincinnati, O.	
	Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	Fay & Scott, Dexter, M.	
	Frank & Co., Buffalo, N. Y.	
	Garvin Machine Co., 9 Laight St., New York.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	New Haven Mfg. Co., New Haven, Conn.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	P. Pryibil, 524 W. 41st St., New York.	*152
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	H. B. Smith Machine Co., Smithville, N. J.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
	D. W. Williamson & Co., Indianapolis, Ind.	
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
A. BEDDING LATHES.	C. B. Rogers & Co., Norwich, Conn.	*154
	Seneca Falls Mfg. Co., Seneca Falls, N. Y.	
	H. B. Smith Machine Co., Smithville, N. J.	
B. GAUGE LATHES,	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lawrence & Chapin Co., Kalamazoo, Mich.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	Meriden Machine Tool Co., Meriden, Conn.	
	I. E. Merritt Machinery Co., Lockport, N. Y.	
	Novelty Iron Works, Dubuque, Iowa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	H. B. Smith Machine Co., Smithville, N. J.	
C. LATHE HEADS.	C. B. Rogers & Co., Norwich, Conn.	*154
D. LATHE & SCROLL SAW, COMBINED.	Shipman Engine Mfg. Co., Rochester, N. Y.	
E. PATTERN MAKERS' LATHES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Frank & Co., Buffalo, N. Y.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	New Haven Mfg. Co., New Haven, Conn.	
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
F. VARIETY LATHES.	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 Front St., Cincinnati, O.	*178
	E. & B. Holmes, Buffalo, N. Y.	*60
	Putnam Machine Co., Fitchburg, Mass.	
1453. LATHE ACCESSORIES.		
A. CHISEL CALIPERS.	H. B. Smith Machine Co., Smithville, N. J.	
B. WOOD LATHE CHUCKS.	H. B. Smith Machine Co., Smithville, N. J.	

1454. MACHINE KNIVES.

E. C. Atkins & Co., Indianapolis, Ind. *198
L. Coes & Co., Worcester, Mass.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Geo. Reeves, Niles, O.
Richardson Bros., Newark, N. J.
A. A. Simonds, Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
L. & I. J. White, Buffalo, N. Y.

1455. MATCHERS.

John A. Bechtel & Son, Newport, Pa.
Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Frank & Co., Buffalo, N. Y.
Glen Cove Machine Co., Ltd., 34 Clay St., Brooklyn, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
J. S. Graham & Co., Rochester, N. Y.
E. & B. Holmes, Buffalo, N. Y. *60
Levi Houston, Montgomery Station, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
Salem Iron Works, Salem, N. C.
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1456. MATCHER ACCESSORIES.

A. BIT SETTERS.

Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
S. A. Woods Machine Co., 172 High St., Boston, Mass.

B. MATCHER HEADS.

Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
Samuel J. Shimer, Milton, Pa.
H. B. Smith Machine Co., Smithville, N. J.
S. A. Woods Machine Co., 172 High St., Boston, Mass.

C. MATCHER KNIVES.

L. Coes & Co., Worcester, Mass.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
A. A. Simonds, Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1457. MINING TIMBER FRAMING MACHINES.

Hendey & Meyer Engineering Co., Denver, Col.

1458. MITERING MACHINES, FOOT & HAND.

Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
McIvers Bros. Machine Co., Worcester, Mass.
Rowley & Hermance, Williamsport, Pa. *196
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
Seymour & Whitlock, Newark, N. J.
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152

1459. MORTISING MACHINES.

W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.
John A. Bechtel & Son, Newport, Pa.
Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
S. C. Forsaith Mach. Co., Manchester, N. H.
Frank & Co., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Greenlee Bros. & Co., 235 W. 12th St., Chicago, Ill.
Levi Houston, Montgomery Station, Pa.

Lane & Bodley Co., John & Water Sts., Cincinnati, O.
McIvers Bros. Machine Co., Worcester, Mass.
I. E. Merritt Machinery Co., Lockport, N. Y.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152

A. CAR MORTISING MACHINES.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Greenlee Bros. & Co., 235 W. 12th St., Chicago, Ill.
C. B. Rogers & Co., Norwich, Conn. *154

B. FOOT POWER MORTISERS.
W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Gould & Eberhardt, Newark, N. J.
Wm. P. Kellogg, Troy, N. Y.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
Seymour & Whitlock, Newark, N. J.
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152

C. MORTISER CHISELS.
Defiance Machine Works, Defiance, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Ohio Tool Co., Columbus, O. *207
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.

D. MORTISER STOCKS.
Defiance Machine Works, Defiance, O.

1460. MOULDING MACHINES.

W. F. & John Barnes Co., Rockford, Ill.
Battle Creek Machinery Co., Battle Creek, Mich.
John A. Bechtel & Son, Newport, Pa.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Jos. O. Colladay, 626 Race St., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Drummond Mfg. Co., Louisville, Ky.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
S. C. Forsaith Machinery Co., Manchester, N. H.
Frank & Co., Buffalo, N. Y.
Glen Cove Machine Co., Ltd., 34 Clay St., Brooklyn, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
J. S. Graham & Co., Rochester, N. Y.
E. & B. Holmes, Buffalo, N. Y. *60
Levi Houston, Montgomery Station, Pa.
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Racine Hardware Mfg. Co., Racine, Wis.
Reynolds & Co., New Haven, Conn.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

A. MOULDING CUTTERS.
W. F. & John Barnes Co., Rockford, Ill.
Battle Creek Machinery Co., Battle Creek, Mich.
Detroit Saw Works, Detroit, Mich.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Richardson Bros., Newark, N. J.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Taylor, Stiles & Co., Riegelsville, N. J.
L. & I. J. White, Buffalo, N. Y.

B. SPIRAL MOULDING MACHINES.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
McIvers Bros. Machine Co., Worcester, Mass.
Samuel J. Shimer & Sons, Milton, Pa.

C. VARIETY MOULDING MACHINES.
Battle Creek Machinery Co., Battle Creek, Mich.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196

1461. PANEL RAISERS.

Battle Creek Machinery Co., Battle Creek, Mich.
John A. Bechtel & Son, Newport, Pa.
Jos. O. Colladay, 626 Race St., Philadelphia, Pa.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Levi Houston, Montgomery Station, Pa.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.

1462. PICKET MACHINES.

Bangor Foundry & Machine Co., Bangor, Me.
Battle Creek Machinery Co., Battle Creek, Mich.
Filer & Stowell Co., Milwaukee, Wis.
Gaar, Scott & Co., Richmond, Ind.
Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lansing Iron & Engine Works, Lansing, Mich.
H. B. Smith Machine Co., Smithville, N. J.
C. Wight & Son, Dayton, O.

A. PICKET HEADING MACHINES.

Rowley & Hermance, Williamsport, Pa. *196

B. PICKET POINTING MACHINES.

Armitage-Herschell Co., Tonawanda, N. Y. *249
Racine Malleable & Wrought Iron Co., Racine, Wis.
C. Wight & Son, Dayton, O.

1463. PLANERS, WOOD.

A. BUZZ PLANERS.

Herbert Baker, Toledo, O.
Bangor Foundry & Machine Co., Bangor, Me.
John A. Bechtel & Son, Newport, Pa.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Berlin Machine Works, Beloit, Wis.
Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.
Joseph O. Colladay, 626 Race St., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Dennis Machine Co., Jackson, Mich.
Detrick & Harvey Machine Co., Baltimore, Md.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Garvin Machine Co , 9 Laight St., New York.
Glen Cove Machine Co., Ltd., 34 Clay St., Brooklyn, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
J. S. Graham & Co., Rochester, N. Y.
Hinckley & Egery Iron Co., Bangor, Me.
E. & B. Holmes, Buffalo, N. Y. *60
Levi Houston, Montgomery Station, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
Geo. R. Lombard & Co., Augusta, Ga.
S. K. Lovewell & Co., Chelsea, Mass.
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
P. Pryibil, 524 W. 41st St., New York. *152
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Alvin Streeter, Winchendon, Mass.
Trevor Mfg. Co., Lockport, N. Y. *91
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

B. COMBINED PLANER MATCHER & MOULDER.

Benjamin Machine Co., 418 The Rookery, Chicago, Ill.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
E. & B. Holmes, Buffalo, N. Y. *60
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Putnam Machine Co., Fitchburg, Mass.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
S. A. Woods Machine Co., 172 High St., Boston, Mass.

C. PLANER KNIFE GRINDING ATTACHMENTS.

Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
S. A. Woods Machine Co., 172 High St., Boston, Mass.

D. PLANER KNIVES.

American Axe & Tool Co., Pittsburgh, Pa.

	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Detroit Saw Works, Detroit, Mich.	
	Dickson Mfg. Co., Scranton, Pa.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	A. Hankey & Co., Rochdale, Mass.	
	Pacific Saw Mfg. Co., San Francisco, Cal.	
	Richardson Bros., Newark, N. J.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Simonds Mfg. Co., Fitchburg, Mass.	
	A. A. Simonds, Dayton, O.	
	H. B. Smith Machine Co., Smithville, N. J.	
	Taylor, Stiles & Co., Reigelsville, N. J.	
	L. & I. J. White, Buffalo, N. Y.	
E. PLANERS & MATCHERS.	Benjamin Machine Co., 418 The Rookery, Chicago, Ill.	
	Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	J. S. Graham & Co., Rochester, N. Y.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Salem Iron Works, Salem, N. C.	
	H. B. Smith Machine Co., Smithville, N. J.	
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
F. PONY PLANERS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Frank & Co., Buffalo, N. Y.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	J. S. Graham & Co., Rochester, N. Y.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
G. RADIUS PLANERS & MACHINE SPOKE SHAVES.	McIvers Bros. Machine Co., Worcester, Mass.	
H. SURFACERS.	Herbert Baker, Toledo, O.	
	Bangor Foundry & Machine Co., Bangor, Me.	
	Benjamin Machine Co., 418 Bookery Bldg., Chicago, Ill.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	Glen Cove Machine Co., Ltd., 34 Clay St., Brooklyn, N. Y.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	J. S. Graham & Co., Rochester, N. Y.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	E. & B. Holmes, Buffalo, Y. Y.	*60
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	McIvers Bros. Machine Co., Worcester, Mass.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Witherby, Rugg & Richardson, Worcester, Mass.	*152
	H. B. Smith Machine Co., Smithville, N. J.	
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
I. TIMBER PLANERS.	Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	

1464. PLANING MILL MACHINERY.

Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.	
Egan Co., 232 W. Front St., Cincinnati, O.	*178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
E. & B. Holmes, Buffalo, N. Y.	*60
Lane Mfg. Co., Montpelier, Vt.	*192–5

L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1465. RE-SAWING MACHINES.

Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
J. S. Graham & Co., Rochester, N. Y.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

A. BAND RE-SAWS.

Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Preble Machine Works Co., 38 W. Monroe St., Chicago, Ill.

B. RE-SAWING SAWS.

American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
National Saw Co., 96 Reade St., New York.
C. B. Rogers & Co., Norwich, Conn. *154

1466. RIP SAW MACHINES.

W. F. & John Barnes, 853 Ruby St., Rockford, Ill.
Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Frank & Co., 176 Terrace St., Buffalo, N. Y.
M. Garland, Bay City, Mich.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
J. M. Marston & Co., 226 Ruggles St., Boston, Mass. *250
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
S. A. Woods Machine Co., 172 High St., Boston, Mass.

A. GANG RIP SAWS.

E. & B. Holmes, Buffalo, N. Y. *60
L. Power & Co., 20 S. 23d St , Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196

B. SELF-FEEDING RIP SAWS.

Defiance Machine Works, Defiance, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
M. Garland, Bay City, Mich.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
J. M. Marston & Co., 226 Ruggles St., Boston, Mass. *250
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1467. ROD, PIN & DOWEL MACHINES.

Herbert Baker, Toledo, O.
Buss Machine Works, Grand Rapids, Mich.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
G. N. Goodspeed, Winchendon, Mass.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.

A. PIN MAKING & POINTING MACHINES.

Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196

1468. SAND PAPERING MACHINES.

John A. Bechtel & Son, Newport, Pa.
Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Greenlee Bros. & Co., 235 W. 12th St., Chicago, Ill.

Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Levi Houston, Montgomery Station, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196

1469. SASH, DOOR & BLIND MACHINERY.

John A. Betchtel & Son, Newport, Pa.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Greenlee Bros. & Co., 235 W. 12th St., Chicago, Ill.
Joshua Hendy Machine Works, San Francisco, Cal.
E. & B. Holmes, Buffalo, N. Y. *60
Levi Houston, Montgomery Station, Pa.
Lane Mfg. Co., Montpelier, Vt. *192–5
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
St. Louis Mfg. Co., Mullanphy cor. 10th Sts., St. Louis, Mo.
Seymour & Whitlock, Newark, N. J.
H. B. Smith Mach. Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152

A. BLIND SLAT CRIMPERS.
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.

B. BLIND SLAT SAWS.
John A. Bechtel & Son, Newport, Pa.
Jas. Goodwin, Albany, N. Y.
Levi Houston, Montgomery Station, Pa.
Rowley & Hermance, Williamsport, Pa. *196

C. BLIND WIRING MACHINES.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Seymour & Whitlock, Newark, N. J.

D. DOOR SURFACERS & POLISHERS.
Rowley & Hermance, Williamsport, Pa. *196

E. SASH, BLIND & DOOR CLAMPS.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., Cincinnati, O.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Greenlee Bros. & Co., 235 W. 12th St., Chicago, Ill.
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
E. C. Stearns & Co., Syracuse, N. Y.

F. SASH CUTTER HEADS.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Samuel J. Shimer & Sons, Milton, Pa.

G. SASH RODS.
H. B. Smith Machine Co., Smithville, N. J.

1470. SAW BENCHES.

American Farm Implement Co., Raritan, N. J.
Battle Creek Machinery Co., Battle Creek, Mich.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Chase Turbine Mfg. Co., Orange, Mass.
Jos. O. Colladay, 626 Race St., Philadelphia, Pa.
Covel Mfg. Co., S. Canal St., Chicago, Ill.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Frank & Co., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
J. S. Graham & Co., Rochester, N. Y.
Greenlee Bros. & Co., 235 W. 12th St., Chicago, Ill.
Hildreth Bros., Harvard, Mass.
E. & B. Holmes, Buffalo, N. Y. *60
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

A. CUT-OFF TABLES.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Lane Mfg. Co., Montpelier, Vt. *192–5
C. B. Rogers & Co., Norwich, Conn. *154

B. METAL SAW TABLES.
C. B. Rogers & Co., Norwich, Conn. *154
Seymour & Whitlock, Newark, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

C. SLITTING SAW TABLES.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.

	Robinson & Co. Machine Works, Richmond, Ind.	
	C. B. Rogers & Co., Norwich, Conn.	*154
D. SWING CUT-OFF & EDGING TABLES.	Eagle Machine Works Co., Indianapolis, Ind.	
	Lane Mfg. Co., Montpelier, Vt.	*192-5
	C. B. Rogers & Co., Norwich, Conn.	*154
E. UNIVERSAL SAW BENCHES.	Herbert Baker, Toledo, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	C. B. Rogers & Co., Norwich, Conn.	*154

1471. SAW MILL MACHINERY.

A. BAND SAW MILLS.	Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Filer & Stowell Co., Milwaukee, Wis.	
	Phœnix Mfg. Co., Eau Claire, Wis.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Stearns Mfg. Co., Erie, Pa.	
	W. J. Young & Co., Clinton, Iowa.	
B. BAND SAW CARRIAGE OFFSETS.	Marinette Iron Works Co., Marinette, Wis.	
C. BAND SAW & CIRCULAR MILLS, COMBINED.	Stearns Mfg. Co., Erie, Pa.	
D. CARRIAGE ROLLERS, SAW MILL.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
E. CIRCULAR SAW MILLS.	Adams Bros. Co., Findlay, O.	
	Albany Agricultural & Machine Works, Albany, N. Y.	
	John Alexander, Columbia, S. C.	
	Bangor Foundry & Machine Co., Bangor, Me.	
	Barnes Mfg. Co., Lanesboro', Pa.	
	Battle Creek Machinery Co., Battle Creek, Mich.	
	Birdsall Co., Auburn, N. Y.	
	Blymyer Iron Works Co., Richmond & Harriet Sts., Cincinnati, O.	
	Brennan & Co., Louisville, Ky.	
	Chandler & Taylor, Indianapolis, Ind.	
	Chase Turbine Mfg. Co., Orange, Mass.	
	Columbus Iron Works Co., Columbus, Ga.	
	Eagle Machine Works Co., Indianapolis, Ind.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Frick Co., Waynesboro', Pa.	*153
	Gaar, Scott & Co., Richmond, Ind.	
	Geiser Mfg. Co., Waynesboro', Pa.	
	Griffith & Wedge Co., Zanesville, O.	
	Heilman Machine Works, Evansville, Ind.	
	W. Herrick, Northampton, Mass.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192-5
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	Geo. R. Lombard & Co., Augusta, Ga.	
	Lowell Machine Shop, Lowell, Mass.	
	McEwen Bros., Wellsville, N. Y.	
	Mansfield Machine Works, Mansfield, O.	
	Marinette Iron Works Co., Marinette, Wis.	
	Phœnix Mfg. Co., Eau Claire, Wis.	
	A. C. Powell & Son, Syracuse, N. Y.	
	L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
	Ritchie & Dyer Co., Hamilton, O.	
	Robinson & Co., Richmond, Ind.	
	W. E. Rockwood & Co., Indianapolis, Ind.	
	Russell & Co., Massillon, O.	
	Salem Iron Works, Salem, N. C.	
	N. Shaw & Co., Eau Claire, Wis.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Smalley Mfg. Co., Manitowoc, Wis.	
	Spangenberg-Pendleton Co., Warren, O.	
	N. W. Spaulding Saw Co., 17 Fremont St., San Francisco, Cal.	
	Struthers, Wells & Co., Warren, Pa.	
	Watertown Steam Engine Co., Watertown, N. Y.	*169
	West Point Foundry & Machine Works, West Point, Ga.	
	Wheland's Foundry & Machine Works, Chattanooga, Tenn.	
	Winship Machine Co., Atlanta, Ga.	
F. CORD WOOD SAW MILLS.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
G. CUT-OFF SAWS.	Bangor Foundry & Machine Co., Bangor, Me.	
	M. Garland, Bay City, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Lane Mfg. Co., Montpelier, Vt.	*192-5
	C. B. Rogers & Co., Norwich, Conn.	*154
	Sinker-Davis Co., Indianapolis, Ind.	

	Stearns Mfg. Co., Erie, Pa.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
H. DOUBLE EDGERS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Bangor Foundry & Machine Co., Bangor, Me.	
	Brennan & Co., Louisville, Ky.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Rowley & Hermance, Williamsport, Pa.	*196
I. DRAG SAWS.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.	
	Battle Creek Machinery Co., Battle Creek, Mich.	
	Brennan & Co., Louisville, Ky.	
	Detroit Saw Works, Detroit, Mich.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	Emerson, Smith & Co., Ltd., Beaver Falls, Pa.	
	Jas. Goodwin, Albany, N. Y.	
	R. Hoe & Co., 504 Grand St., New York.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	National Saw Co., 96 Reade St., New York.	
	Pacific Saw Mfg. Co., San Francisco, Cal.	
	Richardson Bros., Newark, N. J.	
	Simonds Mfg. Co., Fitchburg, Mass.	
J. DRAG SAW MILLS.	Appleton Mfg. Co., Appleton, Wis.	
	Bangor Foundry & Machine Co., Bangor, Me.	
	Battle Creek Machinery Co., Battle Creek, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Novelty Iron Works, Dubuque, Iowa.	
	Smalley Mfg. Co., Manitowoc, Wis.	
	Stearns Mfg. Co., Erie, Pa.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
K. DRAG SAW RIGS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
L. EDGING GRINDERS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Mitts & Merrill, E. Saginaw, Mich.	
	N. Shaw & Co., Eau Claire, Wis.	
M. FUEL FEEDERS.	Frick Co., Waynesboro', Pa.	*153
	M. Garland, Bay City, Mich.	
N. GANG EDGERS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Brennan & Co., Louisville, Ky.	
	Butterworth & Lowe, Grand Rapids, Mich.	
	Filer & Stowell Co., Milwaukee, Wis.	
	M. Garland, Bay City, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Moses P. Johnson Machine Co., 715 N. 2d St., St. Louis, Mo.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Phœnix Mfg. Co., Eau Claire, Wis.	
	Rowley & Hermance, Williamsport, Pa.	*196
	N. W. Spaulding Saw Co., 17 Tremont St., San Francisco, Cal.	
	Stearns Mfg. Co., Erie, Pa.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
O. GANG RIPPERS.	Bangor Foundry & Machine Co., Bangor, Me.	
	M. Garland, Bay City, Mich.	
	J. S. Graham & Co., Rochester, N. Y.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Rowley & Hermance, Williamsport, Pa.	*196
P. GANG SAWS.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, ind.	*198
	Brennan & Co., Louisville, Ky.	
	Detroit Saw Works, Detroit, Mich.	
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	Emerson, Smith & Co.. Ltd., Beaver Falls, Pa.	
	Jas. Goodwin, Albany, N. Y.	
	R. Hoe & Co., 504 Grand St., New York.	
	National Saw Co., 96 Reade St., New York.	
	Richardson Bros., Newark, N. J.	
	Simonds Mfg. Co.. Fitchburg, Mass.	
Q. GANG SAW MILLS.	S. Adams & Son, Rome, N. Y.	
	Bangor Foundry & Machine Co., Bangor, Me.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Marinette Iron Works Co., Marinette, Wis.	

	Novelty Iron Works, Dubuque, Iowa.	
	N. Shaw & Co., Eau Claire, Wis.	
	Stearns Mfg. Co., Erie, Pa.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
	W. J. Young & Co., Clinton, Iowa.	
R. LIVE ROLLS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Brennan & Co., Louisville, Ky.	
	W. E. Hill & Co., Kalamazoo, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Stearns Mfg. Co., Erie, Pa.	
S. LOG BAND SAW MILLS.	Cordesman Machine Co., 27 Butler St., Cincinnati, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Marinette Iron Works Co., Marinette, Wis.	
T. LOG DECKS.	M. Garland, Bay City, Mich.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
U. LOG HAULS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Mecklenburg Iron Works, Charlotte, N. C.	
V. LOG JACKS.	Armitage-Herschell Co., Tonawanda, N. Y.	*250
	W. T. Garratt & Co., San Francisco, Cal.	
	W. E. Hill & Co., Kalamazoo, Mich.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Phœnix Mfg. Co., Eau Claire, Wis.	
	Stearns Mfg. Co., Erie, Pa.	
W. LOG LOCKS.	M. Garland, Bay City, Mich.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
X. LOG MILLS.	Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.	
	M. Garland, Bay City, Mich.	
Y. LOG ROLLERS.	Brennan & Co., Louisville, Ky.	
	Filer & Stowell Co., Milwaukee, Wis.	
	M. Garland, Bay City, Mich.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
Z. LOG SETTING INDICATORS.	Birdsall Co., Auburn, N. Y.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
AA. LOG & SLAB CONVEYORS.	Filer & Stowell Co., Milwaukee, Wis.	
BB. LOG STOPS.	W. E. Hill & Co., Kalamazoo, Mich.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
CC. LOG TURNERS.	Brennan & Co., Louisville, Ky.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Spangenberg, Pendleton & Co., Warren, O.	
DD. LUMBER BUGGIES.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
EE. LUMBER EDGERS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Brennan & Co., Louisville, Ky.	
	M. Garland, Bay City, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Marinette Iron Works, Marinette, Wis.	
	Novelty Iron Works, Dubuque, Iowa.	
	Robt. Poole & Son Co., Baltimore, Md.	*132
	Rowley & Hermance, Williamsport, Pa.	*196
	N. Shaw & Co., Eau Claire, Wis.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Smith, Myers & Schnier, 323 W. Front St., Cincinnati, O.	
	Stearns Mfg. Co., Erie, Pa.	
FF. LUMBER TRIMMERS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Brennan & Co., Louisville, Ky.	
	M. Garland, Bay City, Mich.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192-5
	Phœnix Mfg. Co., Eau Claire, Wis.	
	N. Shaw & Co., Eau Claire, Wis.	
	Smith, Myers & Schnier, 323 W. Front St., Cincinnati, O.	
	Stearns Mfg. Co., Erie, Pa.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
GG. LUMBER & LOG TRUCKS.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
HH. MILL SAWS.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	Emerson, Smith & Co., Ltd., Beaver Falls, Pa.	
	Peter Gerlach & Co., Cleveland, O.	
	Jas. Goodwin, Albany, N. Y.	
	R. Hoe & Co., 504 Grand St., New York.	

Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.
Simonds Mfg. Co., Fitchburg, Mass

II. MULAY SAWS.

American Saw Co , Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.
Chandler & Taylor Co., Indianapolis, Ind.
Henry Disston & Sons, Tacony & N. Front St., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
R. Hoe & Co., 504 Grand St., New York.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.
Simonds Mfg. Co., Fitchburg, Mass.

JJ. PORTABLE SAW MILLS.

Anderson Foundry & Machine Works, Anderson, Ind.
C. Aultman & Co., Canton, O. *104-13
Aultman & Taylor Co., Mansfield, O.
John Best, Lancaster, Pa. *150
Birdsall Co., Auburn, N. Y.
Brennan & Co., Louisville, Ky.
J. I. Case Threshing Machine Co., Racine, Wis.
Chandler & Taylor Co., Indianapolis, Ind.
Cheraw Iron Works, Cheraw, S. C.
R. D. Cole Mfg. Co., Newman, Ga.
H. Dudley Coleman & Co., New Orleans, La.
C. & G. Cooper & Co., Mount Vernon, O.
Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
De Loach Mill Mfg. Co., Atlanta, Ga.
Wm. D. Dunning, Syracuse, N. Y.
Eagle Machine Works Co. Indianapolis, Ind.
Enterprise Mfg. Co., Columbiana, O.
A. B. Farquhar & Co., York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro', Pa. *153
Gaar, Scott & Co., Richmond, Ind.
Geiser Mfg. Co., Waynesboro', Pa.
George S. Grier & Sons, Milford, Del.
Griffith & Wedge Co., Zanesville, O.
Hagerstown Iron Works, Hagerstown, Md.
Hagerstown Steam Engine & Machine Co., Hagerstown, Md.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Hauck & Comstock, Mechanicsburg, Pa.
Heilman Machine Works, Evansville, Ind.
Moses P. Johnson, Machinery Co., 715 N. 2d St., St. Louis, Mo.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Kratz Bros., Evansville, Ind.
Landis & Haverstick, Lancaster, Pa. *164-7
Lane Mfg. Co., Montpelier, Vt. *192-5
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Lansing Iron & Engine Works, Lansing, Mich.
Liddell Co., Charlotte, N. C.
Livermore Foundry & Machine Co., Memphis, Tenn.
Geo. R. Lombard & Co., Augusta, Ga.
Mankato Mfg. Co., Mankato, Minn.
Massena Mill Co., Massena, N. Y.
Mecklenburg Iron Works, Charlotte, N. C.
Monroeton Mfg. Co., Monroeton, Pa.
Oneida Iron Works, Oneida, N. Y.
Porter Mfg. Co., Ltd., Syracuse N. Y.
C. A. Potts & Co., Indianapolis, Ind.
A. C. Powell & Son, Syracuse, N. Y.
John E. Randle & Co., Memphis, Tenn.
Reynolds Iron Works, New Orleans, La.
Richmond Machine Works, Richmond, Ind.
Ritchie & Dyer Co., Hamilton, O.
Robinson & Co., Richmond, Ind.
Russell & Co., Massillon, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Salem Iron Works, Salem, N. C.
Schofield Iron Works, Macon, Ga.
Sergeant Mfg. Co., Greensboro', N. C.
Smith, Myers & Schnier, 323 W. Front St., Cincinnati, O.
Stearns Mfg. Co., Erie, Pa.
Struthers, Wells & Co., Warren, Pa.

	Thompson & Campbell, 1022 Germantown Av., Phila., Pa.	
	Van Winkle Gin & Machine Co., Atlanta, Ga.	
	Westinghouse Co., Schenectady, N. Y.	
	West Point Foundry & Machine Works, West Point, Ga.	
	Winship Machine Co., Atlanta, Ga.	
KK. SAW ARBORS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	S. A. Woods Machine Co., 172 High St., Boston, Mass.	
LL. SAW DUST CONVEYORS.	Bangor Foundry & Machine Co., Bangor, Me.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Hinckley & Egery Iron Co., Bangor, Me.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
MM. SAW DUST ELEVATORS.	Brennan & Co., Louisville, Ky.	
	Spangenberg, Pendleton & Co., Warren, O.	
NN. SAW GUIDES.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Brennan & Co., Louisvile, Ky.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
OO. SAW MILL CARRIAGES.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Brennan & Co., Louisville, Ky.	
	Frick Co., Waynesboro', Pa.	*153
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Marinette Iron Works Co., Marinette, Wis.	
	Robert Poole & Son Co., Baltimore, Md.	*132
	Sinker-Davis Co., Indianapolis, Ind.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
PP. SAW MILL DOGS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Brennan & Co., Louisville, Ky.	
	Eagle Machine Works Co., Indianapolis, Ind.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Frick Co., Waynesboro', Pa.	*153
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	F. S. Lovell Machine Works, Fitchburg, Mass.	
	J. H. Miner, Baton Rouge, La.	
	Phœnix Mfg. Co., Eau Claire, Wis.	
	Robert Poole & Son Co., Baltimore, Md.	*132
	W. E. Rockwood & Co., Indianapolis, Ind.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Stearns Mfg. Co., Erie, Pa.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
QQ. SAW MILL HEAD BLOCKS.	Brennan & Co., Louisville, Ky.	
	Eagle Machine Works Co., Indianapolis, Ind.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Frick Co., Waynesboro', Pa.	*153
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.	
	Lane Mfg. Co., Montpelier, Vt.	*192–5
	Mansfield Machine Works, Mansfield, O.	
	Marinette Iron Works Co., Marinette, Wis.	
	Robert Poole & Son Co., Baltimore, Md.	*132
	Ritchie & Dyer Co., Hamilton, O.	
	Sinker-Davis Co., Indianapolis, Ind.	
	Smith, Myers & Schnier, 323 W. Front St., Cincinnati, O.	
	Stearns Mfg. Co., Erie, Pa.	
	Struthers, Wells & Co., Warren, Pa.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
RR. SHAVINGS & DUST FANS.	Huyett & Smith Mfg. Co., Detroit, Mich.	
SS. SLAB SLASHERS.	Chattanooga Machinery Co., Chattanooga, Tenn.	
	M. Garland, Bay City, Mich.	
	Wilkin Mfg. Co., Milwaukee, Wis.	
TT. STEAM CANT TRIPS.	Wm. E. Hill & Co., Kalamazoo, Mich.	
	M. Garland, Bay City, Mich.	
UU. STEAM GANG STOCK LIFTERS.	Wm. E. Hill & Co., Kalamazoo, Mich.	
VV. STEAM LOG TURNERS.	Wm. E. Hill & Co., Kalamazoo, Mich.	
WW. STEAM SAW CARRIAGE FEEDS.	Filer & Stowell Co., Milwaukee, Wis.	
	Marinette Iron Works Co., Marinette, Wis.	
XX. SWING CUT-OFF SAWS.	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
YY. TIMBER GAUGES.	Filer & Stowell Co., Milwaukee, Wis.	

1472. SAW TOOLS.

A. BAND SAW BRAZING FRAMES.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178

	M. Garland, Bay City, Mich.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Rowley & Hermance, Williamsport, Pa.	*196
B. BAND SAW SETTING & FILING FRAMES.	E. C. Atkins, Indianapolis, Ind.	*198
	Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Goodell & Waters, 3103 Chestnut St., Philadelphia, Pa.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
C. BAND SAW TOOLS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
D. CIRCULAR SAW TOOLS.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	National Saw Co., 96 Reade St., New York.	
	Pacific Saw Mfg. Co., San Francisco, Cal.	
	Richardson Bros., Newark, N. J.	
E. SAW FILERS & GUMMERS.	Samuel C. Rogers & Co., Buffalo, N. Y.	
F. SAW FILING CLAMPS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
G. SAW GAUGES.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	National Saw Co., 96 Reade St., New York.	
	Seymour & Whitlock, Newark, N. J.	
H. SAW GUMMERS.	American Axe & Tool Co., Pittsburgh, Pa.	
	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Cleveland Stove Co., Cleveland, O.	
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	Emerson, Smith & Co., Ltd., Beaver Falls, Pa.	
	Wm. H. Halladay Mfg. Co., 138 W. Lake St., Chicago, Ill.	
	R. Hoe & Co., 504 Grand St., New York.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	J. W. Mixter & Co., Plymouth, Mass.	
	Rowley & Hermance, Williamsport, Pa.	*196
	Silver Mfg. Co., Salem, O.	*205
	N. W. Spaulding Saw Co., 17 Fremont St., San Francisco, Cal.	
I. SAW GUMMERS, EMERY WHEEL.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	Tanite Co., Stroudsburg, Pa.	
J. SAW GUMMER CUTTERS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
K. SAW SETS.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Bemis & Call Hardware & Tool Co., Springfield, Mass.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	Ellrich Hardware Mfg. Co., Plantsville, Conn.	
	Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	National Saw Co., 96 Reade St., New York.	
	Seymour, Smith & Son, Oakville, Conn.	
L. SAW SHARPENERS.	Aborn, Haskell & Co., Wakefield, Mass.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Wm. H. Halliday Mfg. Co., 138 W. Lake St., Chicago, Ill.	
	J. H. Miner, Baton Rouge, La.	
M. SAW SWAGES.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.	
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	Emerson, Smith & Co., Ltd., Beaver Falls, Pa.	
	Wm. H. Halladay Mfg. Co., 138 W. Lake St., Chicago, Ill.	
	R. Hoe & Co., 504 Grand St., New York.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
N. SIDE FILES.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
1473. SAWING MACHINES.	Bangor Foundry & Machine Co., Bangor, Me.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	

Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
L. M. Ham & Co., 152 Portland St., Boston, Mass.
Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
McIvers Bros. Machine Co., Worcester, Mass.
J. H. McLain Machine Co , Canton, O. *115
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

A. COMBINATION SAW & DADO MACHINES.
Egan Co., 232 W. Front St., Cincinnati, O. *178
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196

B. PATTERN MAKERS' DIMENSION SAWS.
Putnam Machine Co., Ltd., Fitchburg, Mass.

1474. SCROLL SAWS.

W. F. & John Barnes Co., Rockford, Ill.
Battle Creek Machinery Co., Battle Creek, Mich.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Buss Machine Works, Grand Rapids, Mich.
Jos. O. Colladay, 626 Race St., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Frank & Co., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
McIvers Bros. Machine Co., Worcester, Mass.
Millers Falls Co., Millers Falls, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
Shipman Engine Mfg. Co., Rochester, N. Y.
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152
S. A. Woods Machine Co., 172 High St., Boston, Mass.

A. AMATEUR SCROLL SAWS.
W. F. & John Barnes Co., Rockford, Ill.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

B. SCROLL SAW BLADES.
W. F. & John Barnes Co., Rockford, Ill.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
C. E. Jennings & Co., 79 Reade St., New York.

1475. SHAPERS, WOOD.

Battle Creek Machinery Co., Battle Creek, Mich.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
McIvers Bros. Machine Co., Worcester, Mass.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196

A. CUTTER HEADS.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
L. Power & Co., 20 S. 23d St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
Samuel J. Shimer & Sons, Milton, Pa.
H. B. Smith Machine Co., Smithville, N. J.

B. FOOT POWER SHAPERS.
W. F. & John Barnes Co., Rockford, Ill.

C. UNIVERSAL SHAPING & TENONING MACHINES.
Mansfield Machine Works, Mansfield, O.

1476. SHINGLE MILL MACHINERY.

A. SHINGLE BOLTERS & SAPPERS.
D. S. Abbott, Olean, N. Y.
W. E. Hill & Co., Kalamazoo, Mich.
Lane Mfg. Co., Montpelier, Vt. *192–5
Phœnix Mfg. Co., Eau Claire, Wis.
Trevor Mfg. Co., Lockport, N. Y. *91

B. SHINGLE JOINTERS.
Bangor Foundry & Machine Co., Bangor, Me.
Filer & Stowell Co., Milwaukee, Wis.
Peter Gerlach & Co., Cleveland, O.
Hinckley & Egery Iron Co., Bangor, Me.
Lane Mfg. Co., Montpelier, Vt. *192–5
Trevor Mfg. Co., Lockport, N. Y. *91

C. SHINGLE KNIVES.
A. A. Simonds, Dayton, O.
Trevor Mfg. Co., Lockport, N. Y. *91
L. & I. J. White, Buffalo, N. Y.

D. SHINGLE MACHINES.
S. Adams & Son, Rome, N. Y.
Bangor Foundry & Machine Co., Bangor, Me.

Brennan & Co., Louisville, Ky.
Buckeye Engine Co., Salem, O.
Chase Turbine Mfg. Co., Orange, Mass.
Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
Hinckley & Egery Iron Co., Bangor, Me.
E. & B. Holmes, Buffalo, N. Y. *60
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Lane Mfg. Co., Montpelier, Vt. *192–5
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
I. E. Merritt Machinery Co., Lockport, N. Y.
Novelty Iron Works, Dubuque, Iowa.
Perkins & Co., Grand Rapids, Mich.
Trevor Mfg. Co., Lockport, N. Y. *91
Weston Engine Co., Painted Post, N. Y.

E. SHINGLE MILLS.
Brennan & Co., Louisville, Ky.
Filer & Stowell Co., Milwaukee, Wis.
S. C. Forsaith Machine Co., Manchester, N. H.
Joshua Hendy Machine Works, San Francisco, Cal.
Hinckley & Egery Iron Co., Bangor, Me.
E. & B. Holmes, Buffalo, N. Y. *60
Lane Mfg. Co., Montpelier, Vt. *192–5
Towanda Foundry Co., Towanda, Pa.
Trevor Mfg. Co., Lockport, N. Y. *91
W. J. Young & Co., Clinton, Iowa.

F. SHINGLE PACKERS.
Brennan & Co., Louisville, Ky.
Filer & Stowell Co., Milwaukee, Wis.
Lane Mfg. Co., Montpelier, Vt. *192–5
Mitts & Merrill, E. Saginaw, Mich.
Trevor Mfg. Co., Lockport, N. Y. *91

G. SHINGLE PLANERS.
E. & B. Holmes, Buffalo, N. Y. *60
Trevor Mfg. Co., Lockport. N. Y. *91

H. SHINGLE PRESSES.
Brennan & Co., Louisville, Ky.
Novelty Iron Works, Dubuque, Iowa.
Trevor Mfg. Co., Lockport, N. Y. *91

I. SHINGLE SAWS.
American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
R. Hoe & Co., 504 Grand St., New York.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.
Trevor Mfg. Co., Lockport, N. Y. *91

J. SHINGLE SAWING MACHINERY.
Brennan & Co., Louisville, Ky.
Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
Peter Gerlach & Co., Cleveland, O.
Lane Mfg. Co., Montpelier, Vt. *192–5
McIvers Bros. Machine Co., Worcester, Mass.
Trevor Mfg. Co., Lockport, N. Y. *91

1477. TENONING MACHINES.
W. F. & John Barnes Co., Rockford, Ill.
John A. Bechtel & Son, Newport, Pa.
Benjamin Machine Co., 418 Rookery Building, Chicago, Ill.
Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Frank & Co., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Levi Houston, Montgomery Station, Pa.
McIvers Bros. Machine Co., Worcester, Mass.
C. B. Rogers & Co., Norwich, Conn. *154
Rowley & Hermance, Williamsport, Pa. *196
H. B. Smith Machine Co., Smithville, N. J.
Witherby, Rugg & Richardson, Worcester, Mass. *152

A. CAR TENONING MACHINES.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154

B. TENONING KNIVES.
Egan Co., 232 W. Front St., Cincinnati, O. *178
C. B. Rogers & Co., Norwich, Conn. *154
A. A. Simonds, Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass.
L. & I. J. White, Buffalo, N. Y.

1478. TIMBER GAINING MACHINES.
Berry & Orton Co., 22d & Arch Sts., Philadelphia, Pa.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
C. B. Rogers & Co., Norwich, Conn. *154

1479. TONGUING & GROOVING MACHINES.
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Goodell & Waters, 3033 Chestnut St., Philadelphia, Pa.
Rowley & Hermance, Williamsport, Pa. *196
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
H. B. Smith Machine Co., Smithville, N. J.

1480. UNIVERSAL WOOD WORKERS.
Herbert Baker, Toledo, O.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178

1481. VARNISHING MACHINES.
Birmingham Iron Foundry, Birmingham, Conn.

1482. VENEER MACHINES.

A. VENEER CUTTING MACHINES.
Du Quoin Iron Works, Du Quoin, Ill.
Farrel Foundry & Machine Co., Ansonia, Conn.
Frank & Co., 176 Terrace St., Buffalo, N. Y.
I. E. Merritt Machinery Co., Lockport, N. Y.
Wm. T. Powers & Son, Grand Rapids, Mich.
Trevor Mfg. Co., Lockport, N. Y. *91

B. VENEER KNIVES.
E. C. Atkins & Co., Indianapolis, Ind. *198
John Loyd, 562 Water St., New York.
A. A. Simonds, Dayton, O.
L. & I. J. White, Buffalo, N. Y.

C. VENEER PRESSES.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Wm. T. Powers & Son, Grand Rapids, Mich.

D. VENEER SAW MILLS.
R. Hoe & Co., 504 Grand St., New York.
Palmer, Parker & Co., 133 Portland St., Boston, Mass.

E. VENEERING SAWS.
American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
R. Hoe & Co., 504 Grand St., New York.
National Saw Co., 96 Reade St., New York.
Richardson Bros., Newark, N. J.

1483. WOOD BENDING MACHINES.
Dann Bros. & Co., New Haven, Conn.
Defiance Machine Works, Defiance, O.
J. A. Fay & Co., John & Front Sts., Cincinnati, O.

1484. WOOD POLISHING MACHINES.
Defiance Machine Works, Defiance, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
J. A. Fay & Co., John & Front Sts., Cincinnati, O.
Rowley & Hermance, Williamsport, Pa. *196

GENERAL.

1485. ACCUMULATORS, HYDRAULIC.
Birmingham Iron Foundry, Birmingham, Conn.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.
Wm. Tod & Co., Youngstown, O.
Watson & Stillman, 204 E. 43d St., New York.

1486. ADZES.
American Axe & Tool Co., Pittsburgh, Pa.
Collins Co., Collinsville, Conn.
Findlay Rolling Mill Co., Findlay, O.
Kelly Axe Mfg. Co., Louisville, Ky.
Ohio Tool Co., Columbus, O. *207
A. G. Peck & Co., Cohoes, N. Y.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
M. Price, Newark, N. J.
Schulte, Lohoff & Co., Evansville, Ind.
Sherman & Co., Belfast, Me.
L. & I. J. White, Buffalo, N. Y.

1487. AMATEURS' TOOLS.
Sebastian-May Co., 191 W. 2d St., Cincinnati, O.

1488. ANVILS.
T. B. Bickerton & Co., 19 S. 4th St., Philadelphia, Pa.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.

Eagle Anvil Works, Trenton, N. J.
Clark Fisher, Trenton, N. J.
Fulton Iron & Engine Works, Detroit, Mich.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Henry F. Jenks, Pawtucket, R. I.
Geo. R. Lombard & Co., Augusta, Ga.

A. COMBINED ANVIL & VISE. Joseph Allen, Palmyra, N. Y.
Foos Mfg. Co., Springfield, O.
Fulton Iron & Engine Works, Detroit, Mich.
Richardson Mfg. Co., Worcester, Mass.

B. COMBINED ANVIL, VISE & DRILL. A. L. Adams, Cedar Rapids, Iowa.

C. PLOW ANVILS. Fayette R. Plumb, Tucker & Trenton Aves., Philadelphia, Pa.
Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill.

1489. AUGERS.

A. CARPENTERS' AUGERS. C. A. Brockett & Co., Kansas City, Mo.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Hamden Mfg. Co., Hamden, Conn.
Humphreyville Mfg. Co., Seymour, Conn.
Irwin Auger Bit Co., Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.
Lehr Bros., Fremont, O.
Snell Mfg. Co., 72 Reade St., New York.
Jas. Swan, Seymour, Conn.

B. CAST STEEL AUGERS. Chester Mfg. Co., Chester, Conn.
A. H. & J. S. Deuse, Chester, Conn.
New Haven Copper Co., 294 Pearl St., New York.
Snell Mfg. Co., 72 Reade St., New York.

C. EYE AUGERS. Irwin Auger Bit Co , Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.

D. HOLLOW AUGERS. F. H. Beecher, Seymour, Conn.
Irwin Auger Bit Co., Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.
Silver Mfg. Co., Salem, O. *205
E. C. Stearns & Co., Syracuse, N. Y.

E. HOLLOW AUGERS, EXPANSIVE. C. E. Jennings & Co., 81 Reade St., New York.

F. MILLWRIGHT AUGERS. Irwin Auger Bit Co., Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.

G. NUT AUGERS. F. H. Beecher, Seymour, Conn.
Currier Bros., Chesterfield Factory, N. H.

H. POST AUGERS. Cronk Hanger Co., Elmira, N. Y.
Snell Mfg. Co., 72 Reade St., New York.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

I. RING AUGERS. F. H. Beecher, Seymour, Conn.

J. SHIP AUGERS. C. Drew & Co., Kingston, Mass.
Irwin Auger Bit Co., Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.
Thos. Laughlin & Son, Portland, Me.
Snell Mfg. Co., 72 Reade St., New York.

K. TAPER AUGERS. E. C. Stearns & Co., Syracuse, N. Y.

L. TREENAIL AUGERS. C. Drew & Co., Kingston, Mass.
Irwin Auger I it Co., Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.

1490. AWLS.

A. BELT AWLS. Ellrich Hardware Mfg. Co., Plantsville, Conn.
H. H. Mayhew & Co., Shelburne Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

B. BRAD AWLS. Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Freeport Hardware Mfg. Co., Freeport, Ill.
Stanley Rule & Level Co., New Britain, Conn.
Sandusky Tool Co., Sandusky, O. *210
Union Hardware Co., Torrington, Conn.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

C. CARPET AWLS. C. S. Osborne & Co., Newark, N. J.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

D. CHAIR AWLS. H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

E. MARKING AWLS. H. M. Norton & Co., Chester, Conn.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

F. SCRATCH AWLS. Ellrich Hardware Mfg. Co., Plantsville, Conn.
Freeport Hardware Mfg. Co., Freeport, Ill.
Stanley Rule & Level Co., New Britain, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Tuck Mfg. Co., Brockton, Mass.

Union Hardware Co., Torrington, Conn.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52
Williams & Marvin, Deep River, Conn.

G. SEATING AWLS. H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

H. SEWING AWLS. Sandusky Tool Co., Sandusky, O. *210
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

I. STABBING AWLS. H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

1491. AXES.
American Axe & Tool Co., Pittsburgh, Pa.
Bangor Edge Tool Co., Bangor, Me.
Buffalo Hammer Co., Buffalo, N. Y.
Collins Co., Collinsville, Conn.
Findlay Rolling Mill Co., Findlay, O.
C. Hammond & Son, Ogontz, Pa.
James Harding, Newark, N. J.
Kelly Axe Mfg. Co., Louisville, Ky.
H. Knickerbacher, Ballston Spa, N. Y.
Lane & Gale, Troy, N. Y.
North Wayne Tool Co., Hallowell, Me.
A. G. Peck & Co., Cohoes, N. Y.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
M. Price, Newark, N. J.
O. S. Rixford, E. Highgate, Vt.
Schulte, Lohoff & Co., Evansville, Ind.
Sherman & Co., Belfast, Me.
L. & I. J. White, Buffalo, N. Y.

1492. AXLE FINISHING MACHINES.
Nicholson & Waterman Mfg. Co., Providence, R. I.

A. AXLE CUTTERS. Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.

B. AXLE SETTERS. Wells Bros. & Co., Greenfield, Mass.

1493. BABBITTING MACHINES.
Egan Co., 232 W. Front St., Cincinnati, O. *178
N. Shaw & Co., Eau Claire, Wis.

1494. BAGGING MACHINES. Robert Poole & Son Co., Baltimore, Md. *132

1495. BAKERS' MACHINERY & TOOLS.
Crandall & Godley, 157 Franklin St., New York.
Geo. Endriss, 700 N. 3d St., Philadelphia, Pa.
Fowler & Rockwell Mach. Co., Ltd., 9 Elizabeth St., New York.
Wm. Hart, 32 Catharine St., New York.
McDowell Oven & Furnace Co., 121 Haverhill St., Boston, Mass.
Roth, McMahon & Co., 115 S. Clinton St., Chicago, Ill.
J. W. Ruger & Co., Buffalo, N. Y.
Watson & Stillman, 204 E. 43d St., New York.

1496. BARB WIRE MACHINES.
Bates Machine Co., Joliet, Ill.
Stover Mfg. Co., Freeport, Ill.

1497. BARBERS' CLIPPERS. Brown & Sharpe Mfg. Co., Providence, R. I.
Coates Clipper Mfg. Co , Worcester, Mass.
Edward S. Hotchkiss, Bridgeport, Conn.
Reinhardt & Co., 72 Stagg St., Brooklyn, N. Y.

1498. BARK SPUDS. L. & I. J. White, Buffalo, N. Y.

1499. BARREL FILLERS. Cleveland Steam Guage Co., Cleveland, O. *156

1500. BARREL PACKERS. Progressive Iron Works, 251 Greenpoint Av., Brooklyn, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

1501. BARS.

A. CLAW BARS. Atha Tool Co., Newark, N. J. *82
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Detroit Steel & Spring Co., Detroit, Mich.
Thos. Laughlin & Son, Portland, Me.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

B. CROW BARS. Atha Tool Co., Newark, N. J. *82
Collins Co., Collinsville, Conn.
Detroit Steel & Spring Co., Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Abner Doble Co., San Francisco, Cal.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
Sweets Mfg. Co.. Syracuse, N. Y.
Troy Steel & Iron Co., Troy, N. Y.

C. PINCH BARS. Collins Co., Collinsville, Conn.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Troy Steel & Iron Co., Troy, N. Y.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

D. PUDDLERS' BARS. Detroit Steel & Spring Co., Detroit, Mich.

Pottstown Iron Co., Pottstown, Pa.

1502. BASKET MACHINERY. Hill Machine Works, Florence, Mass. *157

1503. BED KEYS. Van Wagoner & Williams Co., 82 Beekman St., New York.

1504. BELLOWS.

A. BLACKSMITHS' BELLOWS.
T. B. Beckerton & Co., 19 S. 4th St., Philadelphia, Pa.
Bullock Bellows Co., Cleveland, O.
California Bellows Mfg. Co., San Francisco, Cal.
F. Christen & Son, 1320 Biddle St., St. Louis, Mo.
Joseph Churchyard's Sons, Buffalo, N. Y.
J. W. Evenden, 719 N. Main St., St. Louis, Mo.
C. H. Keese, 4 Gold St., New York.
Geo. M. Scott, Johnson & W. 22d Sts., Chicago, Ill.

B. INSECT POWDER BELLOWS.
Thos. W. Houchin, 67 Park Place, New York.
Thomas Woodason, 451 E. Cambria St., Philadelphia, Pa.

C. MINERS' BELLOWS.
Bullock Bellows Co., Cleveland, O.

D. MOULDERS' BELLOWS.
Bullock Bellows Co., Cleveland, O.
S. Obermayer Foundry Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54
Thomas Woodason, 451 E. Cambria St., Philadelphia, Pa.

E. SPRAYING BELLOWS.
Thomas Woodason, 451 E. Cambria St., Philadelphia, Pa.

1505. BELT CUTTERS. Chas. A. Luther & Co., Pawtucket, R. I.

1506. BENCH HOOKS.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
J. H. Hoague, Chicopee, Mass.
Landers, Frary & Clark, New Britain, Conn.
Seymour Smith & Son, Oakville, Conn.
E. C. Stearns & Co., Syracuse, N. Y.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Vaughan & Bushnell Mfg. Co., 889 Carrol St., Chicago, Ill.

1507. BENCH SCREWS.
R. Bliss Mfg. Co., Pawtucket, R. I.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Ohio Tool Co., Columbus, O. *207
Peck, Stow & Wilcox Co., Southington, Conn.
Sandusky Tool Co., Sandusky, O. *210
E. C. Stearns & Co., Syracuse, N. Y.
J. H. Sternberger & Son, Reading, Pa.

1508. BEVELS.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain, Conn.
L. S. Starrett, Athol, Mass.
Upson Nut Co., Unionville, Conn.

1509. BITS.
Battle Creek Machinery Co., Battle Creek, Mich.
F. H. Beecher, Seymour, Conn.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Currier Bros., Chesterfield Factory, N. H.
DeWitt, Morrison & Kelly, 11 N. 2d St., Philadelphia, Pa.
C. E. Jennings & Co., 81 Reade St., New York.
Russell Jennings Mfg. Co., Deep River, Conn.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
H. H. Mayhew & Co., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Standard Tool Co., Cleveland, O.
E. C. Stearns & Co., Syracuse, N. Y.

A. AUGER BITS.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Chester Mfg. Co., Chester, Conn.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Currier Bros., Chesterfield Factory, N. H.
A. H. & J. S. Deuse, Chester, Conn.
Hamden Mfg. Co., Hamden, Conn.
Humphreyville Mfg. Co., Seymour, Conn.
Irwin Auger Bit Co., Wilmington, O.
C. E. Jennings & Co., 81 Reade St., New York.
Russell Jennings Mfg. Co., Deep River, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Snell Mfg. Co., 72 Reade St., New York.

B. EXPANSION BITS.
R. H. Brown & Co., New Haven, Conn.
C. E. Jennings & Co., 81 Reade St., New York.
Tower & Lyon, 95 Chambers St., New York.

C. SCREW DRIVER BITS.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Connecticut Valley Mfg. Co., Centrebrook, Conn.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
C. E. Jennings & Co., 79 Reade St., New York.
Humason & Beckley Mfg. Co., New Britain, Conn.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
H. H. Mayhew & Co., Shelburne Falls, Mass.
Morse Twist Drill and Mach. Co., New Bedford, Mass. *120
Snell Mfg. Co., 72 Reade St., New York.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

1510. BIT BRACES.

American Bit Brace Co., Buffalo, N. Y.
Chas. H. Amidon, Buffalo, N. Y.
H. S. Bartholomew, Bristol, Conn.
R. H. Brown & Co , New Haven, Conn.
Butterfield & Co.,Derby Line, Vt.
S. W. Card & Co., Mansfield, Mass.
John S. Fray & Co., Bridgeport, Conn.
J. H. Hoague, Chicopee, Mass.
H. H. Mayhew & Co., Shelburne Falls, Mass.
Millers Falls Co., Millers Falls, Mass.
Peck, Stowe & Wilcox Co., Southington, Conn.
A. H. Reid, S. 30th & Market Sts., Phila., Pa.
E. R. Saxton, Buffalo, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Standard Tool Co., Cleveland, O.
Wells Bros. & Co., Greenfield, Mass.

1511. BIT BRACE DRILLS.

Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Cleveland Twist Drill Co., Cleveland, O.
Morse Twist Drill & Mach. Co., New Bedford, Mass. *120
New Process Twist Drill Co., Taunton, Mass.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

A. BELL HANGERS' DRILLS.

Morse Twist Drill & Mach. Co., New Bedford, Mass. *120
Syracuse Twist Drill Co., Syracuse, N. Y.

1512. BLACKSMITHS' TOOLS.

W. H. Anderson & Son, Detroit, Mich.
Atha Tool Co., Newark, N. J. *82
Buffalo Hammer Co. Buffalo, N. Y.
Butterfield & Co., Derby Line, Vt.
Henry Cheney Hammer Co., Little Falls, N. Y.
Chicago Scale Co., 157 S. Jefferson St., Chicago, Ill.
Columbus Mfg. Co. Columbus, O.
Detroit Steel & Spring Co., Detroit, Mich.
Abner Doble Co., San Francisco, Cal.
Foos Mfg. Co., Springfield, O.
S. C. Forsaith Machine Co., Manchester, N. H.
C. Hammond & Son, Ogontz, Pa.
Harrisburg Handle Co., Harrisburg, Pa.
Hartford Hammer Co., Hartford, Conn.
H. H. Harvey, 116 High St., Boston, Mass.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Heller & Bros., Newark, N. J.
Holroyd & Co., Waterford, N. Y.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
J. M. King & Co., Waterford, N. Y.
Morse Twist Drill & Mach. Co., New Bedford, Mass. *120
Oldendorf Bros., Waterloo, Ill.
Fayette R. Plumb, Tucker & Trenton Avs., Phila., Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
E. C. Stearns & Co., Syracuse, N. Y.
Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill.
Warner & Noble, Cromwell, Conn.
Wells Bros. & Co., Greenfield, Mass.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1513. BLOWERS.

A. AIR MOVING MACHINERY.

Aland Patent Blower Co., Rome, N. Y.
U. Baird Machinery Co., Pittsburgh, Pa.
Buffalo Forge Co., Buffalo, N. Y.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Cordesman Machine Co., 27 Butler St., Cincinnati, O.
Exeter Machine Works, Exeter, N. H.
S. C. Forsaith Machine Co., Manchester, N. H.
W. T. Garratt & Co., San Francisco, Cal.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Howard & Morse, 45 Fulton St., New York.
Huyett & Smith Mfg. Co., Detroit, Mich.
Lebanon Mfg. Co., Lebanon, Pa.
Potts & Weber, Lancaster, Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Unadilla Machine Co., Unadilla, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131
L. J. Wing & Co., 126 Liberty St., New York.

B. BLAST BLOWERS.

Buffalo Forge Co., Buffalo, N. Y.

Champion Blower & Forge Co., Lancaster, Pa.
P. H. & F. M. Roots Co., Connersville, Ind.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
L. J. Wing & Co., 126 Liberty St., New York.

C. BLAST ENGINES.
Dickson Mfg. Co., Scranton, Pa.
Lebanon Mfg. Co., Lebanon, Pa.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Southwark Fdry. & Mach. Co., Wash. Av. & S. 5th St., Phila., Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Wm. Tod & Co., Youngstown, O.
Weimer Machine Works Co., Lebanon, Pa.
L. J. Wing & Co., 126 Liberty St., New York.

D. BLAST GATES.
Buffalo Forge Co., Buffalo, N. Y.
Dickson Mfg. Co., Scranton, Pa.
Garden City Fan Co., 52 W. Washington St., Chicago, Ill.
Huyett & Smith Mfg. Co., Detroit, Mich.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

E. BLOWING ENGINES.
Edward P. Allis, Milwaukee, Wis.
Geo. F. Blake Mfg. Co., 111 Federal St., Boston, Mass.
Jas. Clayton, 47 York St., Brooklyn, N. Y.
Cleveland Ship Building Co., Cleveland, O.
Dickson Mfg. Co., Scranton, Pa.
Gordon, Strobel & Laureau, Ltd., Mifflin & Meadow Sts., Phila., Pa.
Hughes Steam Pump Co., Cleveland, O.
Huyett & Smith Mfg. Co., Detroit, Mich.
Knowles Steam Pump Works, Warren, Mass.
Lebanon Mfg. Co., Lebanon, Pa.
P. H. & F. M. Roots Co., Connersville, Ind.
Southwark F. & M. Co., Washington Av. & S. 5th St., Phila., Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Weimer Machine Works Co., Lebanon, Pa.
F. C. Wells Steam Pump Works, 116 S. Clinton St., Chicago, Ill.

F. CHURCH ORGAN BLOWERS.
Backus Water Motor Co., Newark, N. J.
Boston Blower Co., 281 Franklin St., Boston, Mass.
Chas. Forschner & Son, 41 Rivington St., New York.

G. CRANK BLOWERS.
Potts & Weber, Lancaster, Pa.

H. CUPOLA BLOWERS.
Buffalo Forge Co., Buffalo, N. Y.
Huyett & Smith Mfg. Co., Detroit, Mich.
P. H. & F. M. Roots Co., Connersville, Ind.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

I. FAN BLOWERS.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Empire Portable Forge Co., Lansingburgh, N. Y.
Chas. Forschner & Son, 41 Rivington St., New York.
Huyett & Smith Mfg. Co., Detroit, Mich.
Landis & Haverstick, Lancaster, Pa. *164–7
Lebanon Mfg. Co., Lebanon, Pa.
Potts & Weber, Lancaster, Pa.
P. H. & F. M. Roots Co., Connersville, Ind.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
L. J. Wing & Co., 126 Liberty St., New York.

J. FORGE BLOWERS.
Buffalo Forge Co., Buffalo, N. Y.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Huyett & Smith Mfg. Co., Detroit, Mich.
P. H. & F. M. Roots Co., Connersville, Ind.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

K. HAND BLOWERS.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Empire Portable Forge Co., Lansingburgh, N. Y.
Foos Mfg. Co., Springfield, O.
P. H. & F. M. Roots Co., Connersville, Ind.
Star Machine Co., Buffalo, N. Y.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Vulcan Iron Works, Wilkes Barre, Pa.

L. HOT BLAST APPARATUS.
Buffalo Forge Co., Buffalo, N. Y.
Huyett & Smith Mfg. Co., Detroit, Mich.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
L. J. Wing & Co., 126 Liberty St., New York.

M. JET BLOWERS.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa.

N. MINING BLOWERS.
Buffalo Forge Co., Buffalo, N. Y.
Dickson Mfg. Co., Scranton, Pa.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

O. PISTON BLOWERS.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.

P. POSITIVE BLOWERS.
P. H. & F. M. Roots Co., Connersville, Ind.

Q. PRESSURE BLOWERS.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Garden City Fan Co., 52 W. Washington St., Chicago, Ill.
Huyett & Smith Mfg. Co., Detroit, Mich.
P. H. & F. M. Roots Co., Connersville, Conn.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Wilbraham Bros., 2518 Frankford Av., Philadelphia, Pa.
L. J. Wing & Co., 126 Liberty St., New York.

1514. BLOW PIPE APPARATUS.

Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
S. Hawkridge, Hoboken, N. J.
E. P. Reichhelm & Co., 80 Nassau St., New York.

A. JEWELERS' BLOW PIPES.
Buffalo Dental Mfg. Co., Buffalo, N. Y.
Providence Gas Burner Co., Providence, R. I.

1515. BOILER CLEANERS.

Barnum Bros. Co., Troy, N. Y.
Crescent Mfg. Co., Cleveland, O.
J. F. Hotchkiss, 112 Liberty St., New York.
Wm. L. Oakes, Decatur, Ill.

1516. BOILER MAKERS' TOOLS.

Albany Steam Trap Co., Albany, N. Y.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Jas. B. Clow & Son, Lake & Franklin Sts., Chicago, Ill.
Crescent Mfg. Co., Cleveland, O.
Thos. H. Dallett & Co., N. 13th & Buttonwood Sts., Phila., Pa.
Richard Dudgeon, 24 Columbia St., New York.
Hilles & Jones, Wilmington, Del.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.

1517. BOOKBINDERS' MACHINERY & TOOLS.

A. BACKING MACHINES.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Howard Iron Works, Buffalo, N. Y.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
Geo. H. Sanborn & Sons, 69 Beekman St., New York.
T. W. & C. B. Sheridan, 2 Reade St., New York.

B. BACK FORMING MACHINES.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
Geo. H. Sanborn & Sons, 69 Beekman St., New York.

C. BEATING HAMMER.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

D. BEVELING MACHINES.
M. A. Cuming, 163 Mercer St., New York.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Geo. H. Sanborn & Sons, 69 Beekman St., New York.
T. W. & C. B. Sheridan, 2 Reade St., New York.

E. BLOCKING PRESSES.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
T. W. & C. B. Sheridan, 2 Reade St., New York.

F. BOOKBINDERS' BURNISHERS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
H. H. Latham, 304 Dearborn St., Chicago, Ill.

G. BOOKBINDERS' GAS STOVES.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

H. BOOKBINDERS' KNIVES.
A. Hankey & Co., Rochdale, Mass.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
S. C. Ryerson & Co., Boston Highlands, Mass.
A. A. Simonds, Dayton, O.

I. BOOK CLAMPS.
Wm. C. Watson, Paterson, N. J.

J. BOOK PLANERS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
H. H. Latham, 304 Dearborn St., Chicago, Ill.
F. P. Rosback, 41 Canal St., Chicago, Ill.

K. BOOK TRIMMERS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Howard Iron Works, Buffalo, N. Y.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
Geo. H. Sanborn & Sons, 69 Beekman St., New York.
T. W. & C. B. Sheridan, 2 Reade St., New York.

L. CASE BINDING MACHINES.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

M. CASE SMOOTHERS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
T. W. & C. B. Sheridan, 2 Reade St., New York.

N. CUTTING BOARDS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

O. DIE CUTTERS.
Durand & Co., Newark, N. J.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
T. W. & C. B. Sheridan, 2 Reade St., New York.

P. EMBOSSING PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.
Colt's Patent Fire-Arms Mfg. Co., Hartford, Conn.
Cyrus Currier & Sons, Newark, N. J.
Gordon Press Works, Rahway, N. J.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Howard Iron Works, Buffalo, N. Y.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
F. P. Rosback, 41 S. Canal St., Chicago, Ill.

		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
Q.	FINISHING PRESSES, BOOKBINDERS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
R.	FINISHING STANDS, BOOKBINDERS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
S.	FINISHING TOOLS, BOOKBINDERS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
T.	FOLDING MACHINES.	Brown Folding Machine Co., Erie, Pa.	
		Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.	
		Dexter Folder Co., Fulton, N. Y.	
		Duplex Printing Press Co., Battle Creek, Mich.	
		John McAdam & Sons, 978 Kent Av., Brooklyn, N. Y.	
		Stonemetz Folder Co., Millbury, Mass.	
		Taylor & Shoemaker, Philadelphia, Pa.	
		W. G. Walker & Co., Madison, Wis.	
U.	FORMING IRONS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
V.	GAUGE TABLE SHEARS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
W.	GILDING PRESSES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
X.	GLOSSING MACHINES.	Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.	
		W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
Y.	GOLD CUSHIONS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
Z.	GOLD SAVING MACHINES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
AA.	HAND PASTERS.	Mather Mfg. Co., 736 Sansom St., Philadelphia, Pa.	
BB.	HAND PERFORATORS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Mather Mfg. Co., 736 Sansom St., Philadelphia, Pa.	
CC.	INDEX CUTTERS.	F. P. Rosback, Chicago, Ill.	
DD.	IRON BENCH BLOCKS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
EE.	LAYING PRESS WITH PLOW.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
FF.	LETTERING PALETTES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
GG.	PAGING & NUMBERING MACHINES.	Abbott Machine Co., 47 S. Canal St., Chicago, Ill.	
		W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		John McAdams & Sons, 978 Kent Av., Brooklyn, N. Y.	
HH.	PASTING MACHINES.	Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.	
II.	PERFORATORS.	Abbott Machine Co., 47 S. Canal St., Chicago, Ill.	
		Black & Clawson Co., Hamilton, O.	*200–3
		W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
JJ.	POWER STRIPPERS.	Hawkins Machine Co., 110 Lincoln St., Boston, Mass.	
		Howard Iron Works, Buffalo, N. Y.	
KK.	PRESSING BOARDS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
LL.	ROTARY BOARD CUTTERS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
MM.	ROUND CORNER CUTTERS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		F. P. Rosback, 41 S. Canal St., Chicago, Ill.	
		Geo. H. Sanborn & Sons, 69 Beekman St.. New York.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
NN.	SAWING MACHINES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		John Royle & Sons, Paterson, N. J.	
		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
OO.	SEWING BENCHES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
PP.	SIGNATURE PRESSES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
QQ.	SMASHING PRESSES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
RR.	STABBING MACHINES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		F. P. Rosback, 41 S. Canal St., Chicago, Ill.	
		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
SS.	STAMPING PRESSES, BOOKBINDERS'.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
		W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204

		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
		T. W. & C. B. Sheridan, 2 Reade St., New York.	
TT.	STANDING PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
		G. H. Bushnell Co., Thompsonville, Conn.	
		W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Howard Iron Works, Buffalo, N. Y.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		Geo. H. Sanborn & Sons, 69 Beekman St., New York.	
UU.	STRIKER & LAPPER MACHINES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
VV.	THREAD STITCHERS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		Smythe Mfg. Co., Hartford, Conn.	
WW.	TYPE CABINETS.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
XX.	WIRE BINDERS.	Enterprise Mfg. Co. of Pa., 3d & Dauphin Sts., Philadelphia, Pa.	
		Mather Mfg. Co., 736 Sansom St., Philadelphia, Pa.	
YY.	WIRE STITCHERS.	E. P. Donnell Mfg. Co., 325 Dearborn St., Chicago, Ill.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		J. L. Morrison Co., 15 Astor Place, New York.	
		F. P. Rosback, 41 S. Canal St., Chicago, Ill.	
		Henry G. Thompson & Sons, New Haven, Conn.	

1518. BOOK SEWING MACHINES.

		Singer Mfg. Co., 385 Broadway, New York.	*214
		A. H. Tennis, 26 Union Square, New York.	
		Wheeler & Wilson Mfg. Co., Bridgeport, Conn.	

1519. BOOT & SHOE MACHINERY.

		J. G. Buzzell & Co., 115 High St., Boston, Mass.	
		C. S. Fifield & Co., 53 High St., Boston, Mass.	
		Globe Buffer Co., 110 Lincoln St., Boston, Mass.	
		Goodyear Shoe Machine Co., Boston, Mass.	
		Hawkins Machine Co., 110 Lincoln St., Boston, Mass.	
		Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.	
		J. K. Krieg & Co., 39 Warren St., New York.	
		Reece Button Hole Mach. Co., 458 Harrison Av., Boston, Mass.	
		Rockingham Machine Co., Exeter, N. H.	*52
		Ross-Moyer Mfg. Co., 226 Sycamore St., Cincinnati, O.	
		F. M. Stevens & Co., 19 High St., Boston, Mass.	
		E. B. Stimpson & Son, 31 Spruce St., New York.	*222
		Union Edge Setter Co., 110 Lincoln St., Boston, Mass.	
A.	BEATING OUT MACHINES.	Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
B.	BRUSH SHAFTS.	Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
C.	BUTTON FASTENERS.	Alsdorf & Holmes, 12 Academy St., Newark, N. J.	
		Heaton Peninsular Button Fastener Co., Providence, R. I.	
		J. K. Krieg & Co., 39 Warren St., New York.	
		Mathison Mfg. Co., 370 Atlantic Av., Boston, Mass.	
		Trojan Button Fastener Co., Troy, N. Y.	
D.	CHANNELLING MACHINES.	J. K. Krieg & Co., 39 Warren St., New York.	
		Stanley Mfg. Co., 108 Summer St., Boston, Mass.	
E.	CRIMPERS.	Buffalo Last Works, Buffalo, N. Y.	*248
		C. A. Sumner, Milford, Mass.	
F.	CRIMPING SCREWS.	Buffalo Last Works, Buffalo, N. Y.	*248
		C. A. Sumner, Milford, Mass.	
G.	EDGE SETTING MACHINES.	Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
H.	EMBOSSING MACHINES.	J. K. Krieg & Co., 39 Warren St., New York.	
I.	HEEL BEATERS.	Tapley Machine Co., 220 Devonshire St., Boston, Mass.	
J.	HEEL BURNISHERS.	O. A. Miller, Brockton, Mass.	*60
		Rockingham Machine Co., Exeter, N. H.	*52
		Tapley Machine Co., 220 Devonshire St., Boston, Mass.	
K.	HEELING JACKS.	J. K. Krieg & Co., 39 Warren St., New York.	
L.	HEEL PRESSES.	Birmingham Iron Foundry, Birmingham, Conn.	
		Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
M.	HEEL SCOURERS.	Rockingham Machine Co., Exeter, N. H.	*52
N.	HEEL & EDGE TRIMMING MACHINES.	C. S. Fifield & Co., 53 High St., Boston, Mass.	
		Phenix Iron Foundry, Providence, R. I.	
		Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
		Tuck Mfg. Co., Brockton, Mass.	
		Union Heel Trimmer Co., 114 Lincoln St., Boston, Mass.	
O.	LACING STUD MACHINES.	J. K. Krieg & Co., 39 Warren St., New York.	
		E. B. Stimpson & Son, 31 Spruce St., New York.	*222
P.	LINING MARKERS.	J. K. Krieg & Co., 39 Warren St., New York.	
Q.	NAILING JACKS.	Buffalo Last Works, Buffalo, N. Y.	*248
		J. K. Krieg & Co., 39 Warren St., New York.	
R.	ORNAMENTING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
S.	PEGGING JACKS.	Buffalo Last Works, Buffalo, N. Y.	*248
		C. S. Fifield & Co , 53 High St., Boston, Mass.	
		Whittemore Mfg. Co., 31 South St., Boston, Mass.	
T.	ROLLING MACHINES.	Birmingham Iron Foundry, Birmingham, Conn.	

		Crandall & Godley, 157 Franklin St., New York.	
		C. S. Fifield & Co., 53 High St., Boston, Mass.	
		Hawkins Machine Co., 110 Lincoln St., Boston, Mass.	
		Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
U.	SANDPAPER MACHINES.	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
		C. S. Fifield & Co., 53 High St., Boston, Mass.	
V.	SEAM RUBBING MACHINES.	Stanley Mfg. Co., 108 Summer St., Boston, Mass.	
		Wright Seam Press. Mach. Co., 108 Summer St., Boston, Mass.	
W.	SEWING MACHINES, BOOT & SHOE.	C. S. Fifield & Co., 53 High St., Boston, Mass.	
		Campbell Wax Thread Sewing Machine Co., Pawtucket, R. I.	
		Davis Sewing Machine Co., Dayton, O.	
		Goodyear Shoe Machinery Co., 158 Summer St., Boston, Mass.	
		National Machine Co., 385 Broadway, New York.	
		National Sewing Machine Co., 124 Pearl St., Boston, Mass.	
		Singer Mfg. Co., 385 Broadway, New York.	*214
		Stanley Mfg. Co., 108 Summer St., Boston, Mass.	
		Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
		A. H. Tennis, 26 Union Sq., New York.	
		Union Special Sewing Machine Co., 60 Michigan St., Chicago, Ill.	
		Wardwell Sewing Machine Co., Woonsocket, R. I.	
		Wheeler & Wilson Mfg. Co. Bridgeport, Conn.	
		White Sewing Machine Co., Cleveland, O.	
X.	SEWING MACHINE ATTACHMENTS, BOOT & SHOE.	Whitten & Lascell, Lynn, Mass.	
		Reece Button Hole Mach. Co., 458 Harrison Av., Boston, Mass.	
Y.	SHOE BEADERS.	Rockingham Machine Co., Exeter, N. H.	*52
Z.	SHOE FACTORY INK AGITATORS.	J. K. Krieg & Co., 39 Warren St., New York.	
AA.	SHOE LASTING MACHINES.	Chase-Lasting Machine Co., 108 Summer St., Boston, Mass.	
		Rochester Shoe Machinery Co., Rochester, N. Y.	
BB.	SHOE MOULDING MACHINES.	Buffalo Last Works, Buffalo, N. Y.	*248
		C. S. Fifield & Co., 53 High St., Boston, Mass.	
		Hawkins Machine Co., 110 Lincoln St., Boston, Mass.	
		Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
CC.	SHOE SHANK MACHINES.	W. A. Sweetser, Brockton, Mass.	
		Whittemore Mfg. Co., 31 South St., Boston, Mass.	
DD.	SHOE SPLITTING MACHINES.	Hawkins Machine Co., 110 Lincoln St., Boston, Mass.	
EE.	SIZE STICKS.	Whitcher & Emery, 4 High St., Boston, Mass.	
FF.	SOLING MACHINES.	Birmingham Iron Foundry, Birmingham, Conn.	
GG.	STAY FOLDING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
HH.	STRIPPING MACHINES.	Hawkins Machine Co., 110 Lincoln St., Boston, Mass	
		Swain-Fuller Mfg. Co., 78 Lincoln St., Boston, Mass.	
II.	TOE CAP CORDING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
JJ.	TOE CAP PUNCHING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
KK.	TREEING MACHINES.	O. A. Miller, Brockton, Mass.	*60
LL.	TURNING FRAMES.	C. A. Sumner, Milford, Mass.	
MM.	UPPER MACHINES.	Birmingham Iron Foundry, Birmingham, Conn.	
NN.	VAMP CENTERERS.	Whitcher & Emery, 4 High St., Boston, Mass.	
OO.	VAMP FOLDING MACHINES.	R. H. Lufkin, 38 Chardon St., Boston, Mass.	
PP.	VAMPING MACHINES.	Singer Mfg. Co., 385 Broadway, New York.	*214
		Wheeler & Wilson Mfg. Co., Bridgeport, Conn.	
QQ.	VAMP WRINKLING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
RR.	WAUKENPHAST IMITATION MACHINES.	Tapley Machine Co., 220 Devonshire St., Boston, Mass.	
1520.	BOOT & SHOE TOOLS.	W. F. Bullock & Co., Lynn, Mass.	
		George D. Ellis & Sons Co., 229 Vine St., Philadelphia, Pa.	
		D. Harrington, Southbridge, Mass.	
		Wm. H. Horn & Bros., 451 N. 3d St., Philadelphia, Pa.	
		Hyde Mfg. Co., Southbridge, Mass.	
		J. K. Krieg & Co., 39 Warren St., New York.	
A.	BOOT STAMPS.	Snell & Atherton, Brockton, Mass.	
		Tuck Mfg. Co., Brockton, Mass.	
		John S. Wheeler, Woburn, Mass.	
		Wilbur Webster, E. Jaffrey, N. H.	
		A. Wiseman, Rochester, N. Y.	
		E. B. Stimpson & Son, 31 Spruce St , New York.	*222
B.	BOOT & SHOE DIES.	Hawkins Machine Co., 110 Lincoln St., Boston, Mass.	
		Hoggson & Pettis Mfg. Co., New Haven, Conn.	
		G. J. Olden, 70 Warren St., New York.	
C.	EDGE TRIMMERS.	Rockingham Machine Co., Exeter, N. H.	*52

D. EDGE SETTER IRONS.	Snell & Atherton, Brockton, Mass.	
E. HEEL SHAVES.	Snell & Atherton, Brockton, Mass.	
F. IRONING STANDS.	J. K. Krieg & Co., 39 Warren St., New York.	
G. LASTS.	Anvil Seat & Last Co., Abington, Mass.	
	Ball, Dayton & Co., Albany, N. Y.	
	Brockton Last Co., Brockton, Mass.	
	Brophy & Eastman Last & Die Co., 194 S. Clinton St., Chicago, Ill.	
	Buffalo Last Works, Buffalo, N. Y.	*248
	Crawford, McGregor & Canby, Dayton, O.	
	Dayton Last Works, Dayton, O.	
	Albert T. Goodwin, Lynn, Mass.	
	Samuel Mawhinney & Co., Worcester, Mass.	
	O. A. Miller, Brockton, Mass.	*60
	G. J. Olden, 70 Warren St., New York.	
	A. Parrett, 191 Worth St., New York.	
H. LASTS, IRON.	Buffalo Last Works, Buffalo, N. Y.	*248
	Star Heel Plate Co., Newark, N. J.	
I. LASTS, RUBBER.	Auburn Last Co., S. Framingham, Mass.	
J. PASTING BLOCKS.	Buffalo Last Works, Buffalo, N. Y.	*248
K. PATTERNS, BOOT.	J. D. Welden, Haverhill, Mass.	
L. PATTERNS, SHOE.	G. J. Olden, 70 Warren St., New York.	
	D. A. Pettingill, Haverhill, Mass.	
	Rochester Last, Die & Pattern Works, Rochester, N. Y.	
M. PATTERNS, SOLE.	Brockton Last Co., Brockton, Mass.	
N. PEGGING AWLS.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.	
	Robt. Clifford & Co., Brockton, Mass.	
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
	H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass.	*52
O. SEWING AWLS, SHOEMAKERS'.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.	
	H. A. Williams Mfg. Co., 332 Congress St. Boston, Mass.	*52
P. SHOE KNIFE BLADES.	Wilbur Webster, E. Jaffrey, N. H.	
Q. SHOE KNIVES.	Goodell Co., Antrim, N. H.	
	A. M. Howe, Worcester, Mass.	
	C. J. Kimball & Son, Bennington, N. H.	
	J. K. Krieg & Co., 39 Warren St., New York.	
	H. A. Lothrop Mfg. Co., Sharon, Mass.	
	Meriden Cutlery Co., Meriden, Conn.	
	New England Specialty Co., N. Easton, Mass.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
	Stanley Mfg. Co., 108 Summer St., Boston, Mass.	
	Tuck Mfg. Co., Brockton, Mass.	
	Wilbur Webster, E. Jaffrey, N. H.	
R. SHOEMAKERS' HAMMERS.	C. Hammond & Son, Ogontz, Pa.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	C. S. Osborne & Co., Newark, N. J.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
	Star Heel Plate Co., Newark, N. J.	
	Whitcher & Emery, 4 High St., Boston, Mass.	
S. SHOEMAKERS' PINCHERS.	Whitcher & Emery, 4 High St., Boston, Mass.	
T. SHOE STAMPS.	J. H. Power & Co., 64 High St., Boston, Mass.	
U. SHOE STRETCHERS.	Buffalo Last Works, Buffalo, N. Y.	*248
	Glines & Holmes Mfg. Co., Bridgeport, Conn.	
	Henry F. Jenks, Pawtucket, R. I.	
V. SOLE LEATHER CUTTERS.	A. Burlingame & Co., Worcester, Mass.	
	Tuck Mfg. Co., Brockton, Mass.	
W. WELT TRIMMERS	Snell & Atherton, Brockton, Mass.	
1521. BOTTLERS' MACHINERY.		
	Edson Mfg. Co., 132 Commercial St., Boston, Mass.	
	Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.	
	Wittemann Bros., 188 William St., New York.	
A. BARREL WASHING MACHINES.	Frederick Fiederlein, 462 10th Av., New York.	
B. BEER BOTTLING MACHINES.	Model Mfg. Co. of Pa., 197 Huntingdon St., Philadelphia, Pa.	
	Wittemann Bros., 188 William St., New York.	
C. BOTTLE WASHERS.	Hoyt Bros. & Co., Lynn, Mass.	
	Peck Bros. & Co., New Haven, Conn.	
	S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.	
	Wittemann Bros., 188 William St., New York.	
D. BOTTLING, CORKING & FILLING MACHINES.	Edson Mfg. Co., 132 Commercial St., Boston, Mass.	
	C. Hammond & Son, Ogontz, Pa.	
	Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.	
	S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.	
	Wittemann Bros., 188 William St., New York.	
1522. BOW DRILLS.	H. H. Harvey, 116 High St., Boston, Mass.	
1523. BOX MACHINERY.	Egan Co., 232 W. Front St., Cincinnati, O.	*178

	S. C. Forsaith Machine Co., Manchester, N. H.	
	E. & B. Holmes, Buffalo, N. Y.	*60
A. BOX BOARD CUT OFF SAWS.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	E. & B. Holmes, Buffalo, N. Y.	*60
	Rowley & Hermance, Williamsport, Pa.	*196
B. BOX BOARD EDGING SAWS.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Rowley & Hermance, Williamsport, Pa.	*196
C. BOX BOARD MACHINES.	Chase Turbine Mfg. Co., Orange, Mass.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	M. Garland, Bay City, Mich.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	Rowley & Hermance, Williamsport, Pa.	*196
D. BOX BOARD MATCHER HEADS.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	E. & B. Holmes, Buffalo, N. Y.	*60
	Samuel J. Shimer & Sons, Milton, Pa.	
E. BOX BOARD MATCHERS.	Egan Co., 232 W. Front St., Cincinnati O.	*178
	E. & B. Holmes, Buffalo, N. Y.	*60
	Rowley & Hermance, Williamsport, Pa.	*196
F. BOX DRESSING MACHINES.	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	
	E. & B. Holmes, Buffalo, N. Y.	*60
G. BOX NAILING MACHINERY.	Wm. S. Doig, 24 Franklin St., Brooklyn, N. Y.	
	E. & B. Holmes, Buffalo, N. Y.	*60
	F. Rochow, Berriman cor. Glenmore Sts., Brooklyn, N. Y.	
H. CIGAR BOX MACHINERY.	E. B. Baxter, Phoenix, N. Y.	
I. GLUING & STAINING MACHINERY.	Egan Co., 232 W. Front St., Cincinnati, O.	*178

1524. BRAD DRIVING MACHINES.

	Armitage-Herschell Co., Tonawanda, N. Y.	*249
	Seymour & Whitlock, Newark, N. J.	

1525. BRANDING IRONS.

Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.	
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.	
S. H. Quint & Son, 14 S. 4th St., Philadelphia, Pa.	

1526. BREWERS' MACHINERY.

	Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
	F. Huetteman & Co., 12 Sherman St., Detroit, Mich.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Trageser Steam Copper Works, 447 W. 26th St., N. Y.
A. AGITATORS.	Wm. B. Pollock & Co., Youngstown, O.
B. ALE CONDENSERS.	Wm. J. Doyle, Rome, N. Y.
C. ATTEMPERATORS.	Jochum & Jetter, 148 E. 50th St., New York.
D. BEER COOLERS, BREWERS'.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.
	Jochum & Jetter, 148 E. 50th St., N. Y.
E. BEER PRESSURE REGULATORS.	Hazlet & Beman, Meadville, Pa.
F. BEER VENTILATORS.	Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
G. BOILING TUBS, BREWERS'.	Samuel Booth, 543 W. 35th St., New York.
H. BOILING WORMS.	Jochum & Jetter, 148 E. 50th St., New York.
I. COPPER TANKS, BREWERS'.	Ainslie, Cochran & Co., Louisville, Ky.
	Thos. Phillips & Co., Providence, R. I.
	Anthony Reisert & Fred. Orth, 181 Prince St., New York.
	Ribon & March, 1st & Provost Sts., Jersey City, N. J.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
	Trageser Steam Copper Works, 447 W. 26th St., New York.
J. FERMENTING TUBS.	Geo. J. Burkhardt's Sons, 2831 N. Broad St., Philadelphia, Pa.
	Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cincinnati, O.
K. HOP JACKS.	Geo. J. Burkhardt's Sons, 2831 N. Broad St., Philadelphia, Pa.
	Amos H. Hall, 140 Chestnnt St., Philadelphia, Pa.
	Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cincinnati, O.
	Geo. Woolford, 2240 N. 9th St., Philadelphia, Pa.
L. MALT HOUSE MACHINERY.	Link-Belt Machinery Co., 39th St., & Stewart Av., Chicago, Ill.
	John T. Noye Mfg. Co., Buffalo, N. Y.
M. MALT KILNS.	Robt. Aitchison Perf't'd Metal Co., 76 E. Van Buren St., Chicago, Ill.
N. MALT MILLS.	Frederick Fiederlein, 462 Tenth Av., New York.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
O. MALT & BEER ELEVATORS.	Frederick Fiederlein, 462 Tenth Av., New York.
P. MASH MACHINES.	F. Huetteman & Co., 12 Sherman St., Detroit, Mich.
	Anthony Reisert & Fred Orth, 181 Prince St., New York.
	Trageser Steam Copper Works, 447 W. 26th St., New York.
Q. MASH TUB GAUGES.	Standard Thermometer Co., Peabody, Mass.
R. MASH TUBS.	Geo. J. Burkhardt's Sons, 2851 N. Broad St., Philadelphia, Pa.
	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.
	Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cincinnati, O.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.

S.	PITCHING MACHINES.	Peter Gerlach & Co., Cleveland, O.
T.	REVOLVING SPONGERS.	Anthony Reisert & Fred. Orth, 181 Prince St., New York.
U.	STEAM KETTLES, BREWERS'.	Jochum & Jetter, 148 E. 50th St., New York.
		Anthony Reisert & Fred. Orth, 181 Prince St., New York.
		John O'Brien Boiler Works Co., 1129 N. Main St., St. Louis, Mo.
		Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
		Trageser Steam Copper Works, 447 W. 26th St., New York.
V.	STEEP TANKS.	Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cincinnati, O.
		Geo. Woolford, 2240 N. 9th St., Philadelphia, Pa.
W.	STOCK VATS.	Samuel Booth, 543 W. 35th St., New York.
		Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.
		Hauser, Brenner & Fath Co., McLean Av. & Bank St., Cincinnati, O.
		Geo. Woolford, 2240 N. 9th St., Philadelphia, Pa.

1527. BRICK MACHINERY & TOOLS.

A.	BRICK BARROWS.	Albany Agricultural & Machine Works, Albany, N. Y.	
		D. J. C. Arnold, New London, O.	
		Frey-Sheckler Co., Bucyrus, O.	*162
		Jackson Mfg. Co., Harrisburg, Pa.	
		Kilbourne & Jacobs Mfg. Co., Columbus, O.	
		National Barrow & Truck Co., 82 Fulton St., New York.	
		C. & A. Potts Co., Indianapolis, Ind.	
		C. W. Raymond & Co., Dayton, O.	
		Tiffin Agricultural Works, Tiffin, O.	
		Wallace Mfg. Co., Frankfort, Ind.	
		Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.	
B.	BRICK CONVEYORS.	Frey-Sheckler Co., Bucyrus, O.	*162
		Tiffin Agricultural Works, Tiffin, O.	
C.	BRICK DRYING APPARATUS.	Frey-Sheckler Co., Bucyrus, O.	*162
		Huyett & Smith Mfg. Co., Detroit Mich.	
		Iron Clad Dryer Co., 358 Dearborn St., Chicago, Ill.	
D.	BRICK ELEVATORS.	E. M. Freese & Co., Plymouth, O.	
		Frey-Sheckler Co., Bucyrus, O.	*162
		Jeffrey Mfg. Co., Columbus, O.	
		C. & A. Potts Co., Indianapolis, Ind.	
		Tiffin Agricultural Works, Tiffin, O.	
E.	BRICK KILN ARCHES.	Frey-Sheckler Co., Bucyrus, O.	*162
		C. W. Raymond & Co., Dayton, O.	
F.	BRICK KILN DOORS.	D. J. C. Arnold, New London, O.	
		Fletcher & Thomas, Indianapolis, Ind.	
		E. M. Freese & Co., Plymouth, O.	
		Frey-Sheckler Co., Bucyrus, O.	*162
G.	BRICK MACHINES.	Adrian Brick & Tile Machine Co., Adrian, Mich.	
		Albany Agricultaral & Machine Works, Albany, N. Y.	
		Anderson Foundry & Machine Works, Anderson, Ind.	
		Bennett Clay Machinery Co., Jackson, Mich.	
		Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill..	
		H. Brewer & Co., Tecumseh, Mich.	
		Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.	
		Drakes Standard Machine Works, 160 S. Clinton St., Chicago, Ill.	
		Eagle Machine Works Co., Indianapolis, Ind.	
		Eureka Brick Machine Mfg. Co., 219 N. 4th St., St. Louis, Mo.	
		E. M. Freese & Co., Plymouth, O.	
		Frey-Sheckler Co., Bucyrus, O.	*162
		Grand Automatic Brick Mach. Mfg. Co., 127 W. 2d St., Cin., O.	
		Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.	
		S. P. Miller & Son, 309 S. 5th St., Philadelphia, Pa.	
		Nolan, Madden & Co., Rushville, Ind.	
		J. W. Penfield & Son, Willoughby, O.	
		C. & A. Potts Co., Indianapolis, Ind.	
		Richmond Machine Works, Richmond, Ind.	
		St. Louis Iron & Mach. Works, 1001 S. Main St., St. Louis, Mo.	
		Simpson Brick Press Co., Minneapolis, Minn.	
		Stevenson & Co., Wellsville, O.	
		W. E. Tallcott & Co., Croton Landing, N. Y.	
		Taplin, Rice & Co., Akron, O.	
		Tiffin Agricultural Works, Tiffin, O.	
		Wallace Mfg. Co., Frankfort, Ind.	
		A. M. & W. H. Wiles, Grassy Point, N. Y.	
H.	BRICK MACHINES, DRY PRESS.	Chisholm, Boyd & White, 324 Dearborn St., Chicago, Ill.	
		Eureka Brick Machine Mfg. Co., 219 N. 4th St., St. Louis, Mo.	
		C. & A. Potts Co., Indianapolis, Ind.	
		St. Louis Iron & Mach. Works, 1001 S. Main St., St. Louis, Mo.	
I.	BRICK MACHINES, DUPLEX.	F. Huetteman & Co., 12 Sherman St., Detroit, Mich.	
J.	BRICK MAKERS TOOLS.	D. J. C. Arnold, New London, O.	
		Frey-Sheckler Co., Bucyrus, O.	*162
		H. H. Harvey, 116 High St., Boston, Mass.	

N. M. Kueny, 21st St. & Point Breeze Av., Philadelphia, Pa.
S. P. Miller & Son, 309 S. 5th St., Philadelphia, Pa.

K. BRICK MOULDS.
Albany Agricultural & Machine Works, Albany, N. Y.
D. J. C. Arnold, New London, O.
Wm. Fisher, Pittsburgh, Pa.
Frey-Sheckler Co., Bucyrus, O. *162
S. P. Miller & Son, 309 S. 5th St., Philadelphia, Pa.
C. & A. Potts Co., Indianapolis, Ind.
C. W. Raymond & Co., Dayton, O.
Tiffin Agricultural Works, Tiffin, O.
A. M. & W. H. Wiles, Grassy Point, N. Y.

L. BRICK PALLETS.
D. J. C. Arnold, New London, O.
Wm. B. Mershon & Co., E. Saginaw, Mich.

M. BRICK PRESSES.
D. J. C. Arnold, New London, O.
Drakes Standard Machine Works, 160 S. Clinton St., Chicago, Ill.
Eureka Brick Mach. Mfg. Co., 219 N. 4th St., St. Louis, Mo.
Wm. Fisher, Pittsburgh, Pa.
Frey-Sheckler Co., Bucyrus, O. *162
N. M. Kueny, 21st St. & Point Breeze Av., Philadelphia, Pa.
Michigan Brick & Tile Machine Works, Morenci, Mich.
S. P. Miller & Son, 309 S. 5th St., Philadelphia, Pa.
C. & A. Potts Co., Indianapolis, Ind.
St. Louis Iron & Mach. Works, 1001 S. Main St., St. Louis, Mo.
A. M. & W. H. Wiles, Grassy Point. N. Y.

N. BRICK REPRESSES.
Frey-Sheckler Co , Bucyrus, O. *162

O. BRICK TRUCKS.
Albany Agricultural & Machine Works, Albany, N. Y.
D. J. C. Arnold, New London, O.
Fletcher & Thomas, Indianapolis, Ind.
E. M. Freese & Co., Plymouth, O.
Frey-Sheckler Co., Bucyrus, O. *162
Kilbourne & Jacobs Mfg. Co., Columbus, O.
C. & A. Potts Co., Indianapolis, Ind.
C. W. Raymond & Co., Dayton, O.
Tiffin Agricultural Works, Tiffin, O.

P. CUTTING TABLES.
E. M. Freese & Co., Plymouth, O.
Frey-Sheckler Co., Bucyrus, O. *162

Q. DUMPING BEDS.
Frey-Sheckler Co., Bucyrus, O. *162
C. & A. Potts Co., Indianapolis, Ind.
C. W. Raymond & Co., Dayton, O.

R. LUBRICATING DIES.
Frey-Sheckler Co., Bucyrus, O. *162

S. PUG MILLS.
Albany Agricultural & Machine Works, Albany, N. Y.
Wm. Fisher, Pittsburgh, Pa.
Frey-Sheckler Co., Bucyrus, O. *162
Grand Automatic Brick Mach. Mfg. Co., 127 W. 2d St., Cincinnati, O.
J. W. Penfield & Son, Willoughby, O.
C. & A. Potts Co., Indianapolis, Ind.
Stevenson & Co., Wellsville, O.
W. E. Tallcot & Co., Croton Landing, N. Y.
Tiffin Agricultural Works, Tiffin, O.
Wallace Mfg. Co., Frankfort, Ind.

1528. BROOM MAKERS' TOOLS.

J. C. Howe Co., N. Hadley, Mass.

A. BROOM CORN SCRAPERS.
G. D. Colton & Co., Galesburg, Ill.
J. H. Dakin, Schenectady, N. Y.
Westinghouse Co., Schenectady, N. Y.

1529. BRUSH MAKERS' TOOLS.

Jacob Brombacher's Sons, 20 Cliff St., New York.

1530. BRUSHES, POWER.
Ellis Thayer, Pawtucket, R. I. *64

A. PORTABLE POWER HORSE BRUSHES.
Stow Flex. Shaft Co., Ltd., N. 26th & Callowhill Sts., Phila., Pa.
Stow Mfg. Co., Binghamton, N. Y. *240

B. STEAM BRUSHES.
Cleveland Machine Works, Worcester, Mass.

1531. BUCKLE MACHINES.
Robert Poole & Son Co., Baltimore, Md. *1[illegible]

1532. BUNG & TAP TOOLS.

A. BUNG EXTRACTORS.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.

B. BUNG HOLE BORERS.
Enterprise Mfg. Co., of Pa., N. 3d & Dauphin Sts., Philadelphia, Pa.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.
L. & I. J. White, Buffalo, N. Y.

C. BUNG STARTERS.
Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
Ripley Mfg. Co., Unionville, Conn.
Sandusky Tool Co., Sandusky, O. *210
John Sommer's Son, Newark, N. J.
Union Hardware Co., Torrington, Conn.
Henry Waas, San Francisco, Cal.
F. Cortez Wilson & Co., 239 Lake St., Chicago, Ill.

D. TAP BORERS.
Hamden Mfg. Co., Hamden, Conn.

C. E. Jennings & Co., 81 Reade St., New York.
C. S. Osborne & Co., Newark, N. J.

1533. BURNING BRANDS. W. Barnard & Co., 314 Oliver St., St. Louis, Mo.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Edmund D. Lathrop, Newark, N. J
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85
N. Stafford, 66 Fulton St., New York.
A. A. White & Co., Providence, R. I.

1534. BURNISHING TOOLS. Tuck Mfg. Co., Brockton, Mass.

1535. BUTCHERS' & PACKERS' MACHINERY & TOOLS.

Murray Iron Works Co., Burlington, Iowa.

A. AXES, SLAUGHTERING. August Nittinger, 826 N. 4th St., Philadelphia, Pa.

B. BEEF SPLITTERS. August Nittinger, 826 N. 4th St., Philadelphia, Pa.

C. BLOCK SCRAPERS. Richardson Bros., Newark, N. J.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
L. & I. J. White, Buffalo, N. Y.

D. BUTCHERS' CALDRONS. J. L. Mott Iron Works, 90 Beekman St., New York.

E. BUTCHERS' CHOPPERS. C. E. Jennings & Co., 81 Reade St., New York.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

F. BUTCHERS' KNIVES. Goodell Co., Antrim, N. H.
C. J. Kimball & Son, Bennington, N. H.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
H. A. Lothrop Mfg. Co., Sharon, Mass.
Meriden Cutlery Co., Meriden, Conn.
Nichols Bros., Bernardston, Mass.
Northampton Cutlery Co., Northampton, Mass.
John Russell Cutlery Co., Turner's Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
Williams Bros. Mfg. Co., Naubuc, Conn.

G. BUTCHERS' MACHINERY. Gus. V. Brecht Butchers' Sup. Co., 1201 Cass Av., St. Louis, Mo.
B. Stanbach, 235 Greenwich St., New York.

H. BUTCHERS' SAWS. American Saw Co., Trenton, N. J.
Buffalo Scale Co., Buffalo, N. Y.
Crescent Mfg. Co., Cleveland, O.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
C. E. Jennings & Co., 81 Reade St., New York.
Millers Falls Co., Millers Falls, Mass.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.

I. BUTCHERS' STEELS. Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
Nicholson File Co., Providence, R. I.
Nichols Bros., Bernardston, Mass.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
John Russell Cutlery Co., Turner's Falls, Mass.

J. BUTCHERS' TOOLS. H. B. Black & Co., Chester, Pa.
Gus. V. Brecht Butchers' Sup. Co., 1201 Cass Av., St. Louis, Mo.
R. J. Davis, 50 Charlestown St., Boston, Mass.
B. Gloekler, Pittsburgh, Pa.
August Nittinger, 826 N. 4th St,, Philadelphia, Pa.
B. Stanbach, 235 Greenwich St., New York.
L. & I. J. White, Buffalo, N. Y.

K. CLEAVERS. Humason & Beckley Mfg. Co., New Britain, Conn.
C. E. Jennings & Co., 81 Reade St., New York.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
L. & I. J. White, Buffalo, N Y.

L. CLEAVERS, PORK PACKERS. August Nittinger, 826 N. 4th St., Philadelphia, Pa.

M. FAT CUTTING MACHINES. August Nittinger, 826 N. 4th St., Philadelphia, Pa.
B. Stanbach, 235 Greenwich St., New York.

N. HAM STRINGERS. C. S. Osborne & Co., Newark, N. J.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
L. & I. J. White, Buffalo, N. Y.

O. HOG KILLING HAMMERS. August Nittinger, 826 N. 4th St., Philadelphia, Pa.

P. HOG SCALDERS. L. & I. J. White, Buffalo, N. Y.

Q. HOG SCRAPERS. W. J. Clark & Co., Salem, O. *121
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
L. & I. J. White, Buffalo, N. Y.

R. LARD DRYERS, MIXERS & COOLERS. H. W. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.
Horne & Danz Co., St. Paul, Minn.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
B. Stanbach, 235 Greenwich St., New York.

S LARD KETTLES. August Nittinger, 826 N. 4th St., Philadelphia, Pa.

	Silver Mfg. Co., Salem, O. *205
T. LARD SPOONS.	August Nittinger, 826 N. 4th St., Philadelphia, Pa.
U. MEAT AXES.	American Axe & Tool Co., Pittsburgh, Pa.
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
	L. & I. J. White, Buffalo, N. Y.
V. MEAT CUTTERS.	Ames Plow Co., Quincy Hall, Boston, Mass.
	Gus. V. Brecht Butchers' Supply Co., 1201 Cass Av., St. Louis, Mo.
	Duncan Mackenzie, Trenton, N. J. *118
	Ellrich Hardware Mfg. Co., Plantsville, Conn.
	Murray Iron Works Co., Burlington, Iowa.
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.
	Paine, Diehl & Co., 1430 S. Penn. Square, Philadelphia, Pa.
	Peck, Stow & Wilcox Co., Southington, Conn.
	Russell & Erwin Mfg. Co., New Britain, Conn.
	B. Stanbach, 235 Greenwich St., New York.
W. MEAT SELECTING HOOKS.	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
	L. & I. J. White, Buffalo, N. Y.
X. OFFAL PRESSES.	John T. Noye Mfg. Co., Buffalo, N. Y.
Y. PACKERS' MACHINERY & TOOLS.	August Nittinger, 826 N. 4th St., Philadelphia, Pa.
	B. Stanbach, 235 Greenwich St., New York.
Z. PORK PACKERS' SAWS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
AA. POWER MEAT CHOPPERS.	Gus. V. Brecht Butchers' Supply Co., 1201 Cass Av., St. Louis, Mo.
	August Nittinger, Sr., 826 N. 4th St., Philadelphia, Pa.
	Silver Mfg. Co., Salem, O. *205
	B. Stanbach, 235 Greenwich St., New York.
BB. SAUSAGE CUTTERS.	B. Stanbach, 235 Greenwich St., New York.
CC. SAUSAGE MACHINERY.	Ames Plow Co., Quincy Hall, Boston, Mass.
	Gus. V. Brecht Butchers' Supply Co., 1201 Cass Av., St. Louis, Mo.
	Duncan Mackenzie, Trenton, N. J. *118
	B. Stanbach, 235 Greenwich St., New York.
	Peter Wilkes, Trenton, N. J.
DD. SAUSAGE STUFFERS.	Ames Plow Co., Quincy Hall, Boston, Mass.
	Chalfant Mfg. Co., Atglen, Pa.
	M. L. Edwards Mfg. Co., Salem, O.
	Enterprise Mfg. Co. of Pa., 3d & Dauphin Sts., Philadelphia, Pa.
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
	Murray Iron Works Co., Burlington, Iowa.
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.
	Peck, Stow & Wilcox Co., Southington, Conn.
	Silver Mfg. Co., Salem, O. *205
	B. Stanbach, 235 Greenwich St., New York.
EE. SCALDING TUBS.	McElroy & Armitage, Keokuk, Iowa.
	Murray Iron Works Co., Burlington, Iowa.
FF. SKINNING KNIVES.	Goodell Co., Antrim, N. H.
	Meriden Cutlery Co., Meriden, Conn.
	Nichols Bros., Bernardston, Mass.
	Northampton Cutlery Co., Northampton, Mass.
	John Russell Cutlery Co., Turner's Falls, Mass.
GG. SLAUGHTER HOUSE APPARATUS.	Gus. V. Brecht Butchers' Supply Co., 1201 Cass Av., St. Louis, Mo.
	B. Stanbach, 235 Greenwich St., New York.
HH. SLAUGHTER HOUSE TANKS.	Samuel Booth, 543 W. 35th St., New York.
	B. Stanbach, 235 Greenwich St., New York.
	McElroy & Armitage, Keokuk, Iowa.
II. STEAM RENDERING TANKS.	Samuel Booth, 543 W. 35th St., New York.
	McElroy & Armitage, Keokuk, Iowa.
	Murray Iron Works Co., Burlington, Iowa.
JJ. STICKING KNIVES.	Goodell Co., Antrim, N. H.
	Nichols Bros., Bernardston, Mass.
	Northampton Cutlery Co., Northampton, Mass.
KK. TANKAGE PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.
	G. H. Bushnell Co., Thompsonville, Conn.
	B. Stanbach, 235 Greenwich St., New York.

1536. BUTTERDISH MACHINERY.

Du Quoin Iron Works, Du Quoin, Ill.
E. E. Titus, Petersburg, Va.

1537. BUTT MACHINES. John Adt & Son, New Haven, Conn.

1538. BUTTON MAKERS' OUTFITS.

Gould & Eberhardt, Newark, N. J.
Williams & Marvin, Deep River, Conn.

1539. CALIPERS. Bemis & Call Hardware and Tool Co., Springfield, Mass.
Darling, Browne & Sharpe, Providence, R. I.
Wm. Johnson, Newark, N. J.
Kraeuter & Co., Newark, N. J.
Lufkin Rule Co., Cleveland, O.
Peck, Stow & Wilcox Co., Southington, Conn.

	Pratt & Whitney Co., Hartford, Conn.	
	C. F. Richardson, Athol, Mass.	
	W. Schollhorn & Co., New Haven, Conn.	
	L. S. Starret, Athol, Mass.	
	Wright Machine Co., Worcester, Mass.	
A. CARVERS' CALIPERS.	H. H. Harvey, 116 High St., Boston, Mass.	
B. LOG CALIPERS.	Lufkin Rule Co., Cleveland, O.	
C. MICROMETER CALIPERS.	Brown & Sharpe Mfg. Co., Providence, R. I.	
D. PRECISION CALIPERS.	Darling, Brown & Sharpe, Providence, R. I.	
E. SPRING CALIPERS.	Standard Tool Co., Athol, Mass.	
	J. Stevens Arms & Tool Co., Chicopee Falls, Mass.	
1540. CALKERS' TOOLS.	Billings & Spencer Co., Hartford, Conn.	*103
	Dickson Mfg. Co., Scranton, Pa.	
	C. Drew & Co., Kingston, Mass.	
A. CALKING CHISELS.	C. S. Osborne & Co., Newark, N. J.	
B. CALKING IRONS.	C. Drew & Co., Kingston, Mass.	
	L. & I. J. White, Buffalo, N. Y.	
C. CALKING MALLETS.	Union Hardware Co., Torrington, Conn.	
	L. & I. J. White, Buffalo, N. Y.	
	Williams & Marvin, Deep River, Conn.	
1541. CANDLE MACHINERY.	W. W. Brewer, Troy, N. Y.	
	Buffalo Scale Co., Buffalo, N. Y.	
	Homan & Co., 10 E. 7th St., Cincinnati, O.	
	Alfred W. Houchin, 11 Vine St., Brooklyn, N. Y.	
A. CANDLE MOULDS.	Thos. W. Houchin, 67 Park Place, New York.	
	Sidney Shepard & Co., Buffalo, N. Y.	
1542. CANNING MACHINERY.		
A. AUTOMATIC FEEDERS.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	Hemingway Mfg. Co., Syracuse, N. Y.	
	Merrell & Soule, Syracuse, N. Y.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
	Warfield Mfg. Co., Baltimore, Md.	
B. CAN CLEANSING MACHINES.	E. W. Bliss Co., 130 Front St., Brooklyn, N. Y.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
C. CAN FILLERS.	Hemingway Mfg. Co., Syracuse, N. Y.	
	Merrell & Soule, Syracuse, N. Y.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Warfield Mfg. Co., Baltimore, Md.	
D. CAN TONGS.	Merrell & Soule, Syracuse, N. Y.	
	Stark Machine & Tool Co. Buffalo, N. Y.	*248
E. CAN WIPERS.	Hemingway Mfg. Co., Syracuse, N. Y.	
	Merrell & Soule, Syracuse, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
F. CORN COOKERS.	Hemingway Mfg. Co., Syracuse, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
G. CORN CUTTING MACHINES.	Merrell & Soule, Syracuse, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Warfield Mfg. Co., Baltimore, Md.	
H. CORN SILKERS.	Merrill & Soule, Syracuse, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Warfield Mfg. Co., Baltimore, Md.	
I. CORN STEAMERS.	Merrell & Soule, Syracuse, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
J. PEA SEPARATORS.	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
K. PUMPKIN PEELERS & GRATERS.	Merrell & Soule, Syracuse, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
L. STEAM PROCESS CHESTS.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
M. STEAM TANKS.	Hemingway Mfg. Co., Syracuse, N. Y.	
1543. CANT HOOKS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Bangor Edge Tool Co., Bangor, Me.	
	Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.	
	Filer & Stowell Co., Milwaukee, Wis.	
	Peter Gerlach & Co., Cleveland, O.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Reeves & Co., Columbus, Ind.	
1544. CARBON MACHINERY.	Walker Mfg. Co., Cleveland, O.	
1545. CARPET MITREING & SERGING MACHINES.		
	Singer Mfg. Co., 385 Broadway, New York.	*214
1546. CARPET STRETCHERS.		
	Chalfant Mfg. Co., Atglen, Pa.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	

R. W. Montross, Galien, Mich.
C. S. Osborne & Co., Newark, N. J.
Seymour Smith & Son, Oakville, Conn.
Towel Rack Mfg. Co., Providence, R. I.
William Wiler, 223 S. 5th St., Philadelphia, Pa.

1547. CARTRIDGE MACHINERY.

Blake & Johnson, Waterbury, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

A. CARTRIDGE VARNISHING MACHINES. Pratt & Whitney Co., Hartford, Conn.

1548. CHAIR MACHINERY.

Egan Co., 232 W. Front St., Cincinnati, O. *178
McIvers Bros. Machine Co., Worcester, Mass.
C. B. Rogers & Co., Norwich, Conn. *154
Alvin Streeter, Winchendon, Mass.

1549. CHALK LINE REELS.

R. Bliss Mfg. Co., Pawtucket, R. I.
Sandusky Tool Co., Sandusky, O. *210
Union Hardware Co., Torrington, Conn.

A. CHALK LINE REELS & AWLS. Stanley Rule & Level Co., New Britain, Conn.

1550. CHISELS.

A. ALLIGATOR CHISELS. Peter Gerlach & Co., Cleveland, O.

B. BOX CHISELS.
C. Drew & Co., Kingston, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
C. S. Osborne & Co., Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.

C. CAPE CHISELS.
Billings & Spencer Co., Hartford, Conn. *103
Detroit Steel & Spring Co., Detroit, Mich.
C. Hammond & Son, Ogontz, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

D. CARPENTERS' CHISELS.
American Axe & Tool Co., Pittsburgh, Pa.
Billings & Spencer Co., Hartford, Conn. *103
Buck Bros., Milbury, Mass.
C. Drew & Co., Kingston, Mass.
C. E. Jennings & Co., 81 Reade St., New York.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Ohio Tool Co., Columbus, O. *207
Peck, Stow & Wilcox Co., Southington, Conn.
Rowley & Hermance, Williamsport, Pa. *196
Russell & Erwin Mfg. Co., New Britain, Conn.
Snell Mfg. Co., 72 Reade St., New York.
Wheeling Hinge Co., Wheeling, W. Va.
L. & I. J. White, Buffalo, N. Y.
Winsted Edge Tool Works, West Winsted, Conn.

E. CHIPPING CHISELS.
Detroit Steel & Spring Co., Detroit, Mich.
C. Hammond & Son, Ogontz, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

F. COLD CHISELS.
W. H. Anderson & Son, Detroit, Mich.
Atha Tool Co., Newark, N. J. *82
Billings & Spencer Co., Hartford, Conn. *103
Buffalo Hammer Co., Buffalo, N. Y.
Wm. C. Carver, 467 Knickerbocker Av., Brooklyn, N. Y.
Dickson Mfg. Co., Scranton, Pa.
H. H. Harvey, 116 High St., Boston, Mass.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
C. E. Jennings & Co., 81 Reade St., New York.
Peck, Stow & Wilcox Co., Southington, Conn.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell, 889 Carroll Av., Chicago, Ill.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

G. DIAMOND POINT CHISELS.
Atha Tool Co., Newark, N. J. *82
Detroit Steel & Spring Co., Detroit, Mich.

H. DROVE CHISELS. Detroit Steel & Spring Co., Detroit, Mich.

I. GASKET CHISELS.
Ohio Tool Co., Columbus, O. *207
C. S. Osborne & Co., Newark, N. J.

J. GOUGES.
Atha Tool Co., Newark, N. J. *82
Ohio Tool Co., Columbus, O. *207
Snell Mfg. Co., 72 Reade St., New York.
L. & I. J. White, Buffalo, N. Y.
Winsted Edge Tool Works, West Winsted, Conn.

K. HOT CHISELS.
Buffalo Hammer Co., Buffalo, N. Y.
Detroit Steel & Spring Co., Detroit, Mich.

L. PITCHING TOOL CHISELS. Detroit Steel & Spring Co., Detroit, Mich.

1551. CHOCOLATE MACHINERY.

J. De Beauvais, 2 Howard St., New York.
P. M. Walton, 1023 Germantown Av., Philadelphia, Pa.

A. CHOCOLATE MILLS.
Samuel Carey, 17 Broadway, New York. *255
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

1552. CIGAR BOX OPENERS.
Fred. J. Meyers Mfg. Co., Covington, Ky.
C. S. Osborne & Co., Newark, N. J.

1553. CIGAR MAKERS' TOOLS.

New York Tobacco Machine Co., 123 Pearl St., New York.
W. Schollhorn & Co., New Haven, Conn.

A. CIGAR BRANDING MACHINES.
Miller, Dubrul & Peters Mfg. Co., 406 E. Pearl St., Cincinnati, O.

B. CIGAR BUNCHING MACHINES.
Miller, Dubrul & Peters Mfg. Co., 406 E. Pearl St., Cincinnati, O.
John R. Williams Co., 102 Chambers St., New York.

C. CIGAR CUTTERS.
Meriden Malleable Iron Co., Meriden, Conn.
Miller, Dubrul & Peters Mfg. Co., 406 E. Pearl St., Cincinnati, O.
New York Tobacco Machine Co., 123 Pearl St., New York.
Wm. Schollhorn & Co., New Haven, Conn.

D. CIGAR KNIVES.
Goodell Co., Antrim, N. H.
H. A. Lothrop Mfg. Co., Sharon, Mass.
Fred. J. Meyers Mfg. Co., Covington, Ky.
New York Tobacco Machine Co., 123 Pearl St., New York.
C. S. Osborne & Co., Newark, N. J.
John Russell Cutlery Co., Turner's Falls, Mass.
W. Schollhorn & Co., New Haven, Conn.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

E. CIGAR MOULDS.
Miller, Dubrul & Peters Mfg. Co., 406 E. Pearl St., Cincinnati, O.
New York Tobacco Machine Co., 123 Pearl St., New York.
Wm. Wicke Co., 1st Av. & 31st St., New York.

1554. CLAM HOOKS.
Ely Hoe & Fork Co., St. Johnsbury, Vt.
E. Plimpton & Sons, Litchfield, Me.

1555. CLAMPS.

A. ADJUSTABLE CLAMPS.
Billings & Spencer Co., Hartford, Conn. *103
Eberhard Mfg. Co., Cleveland, O.
Pratt & Letchworth, Buffalo, N. Y.
Tower & Lyon, 95 Chambers St., New York.

B. BELT CLAMPS.
Billings & Spencer Co., Hartford, Conn. *103
Crescent Mfg. Co., Cleveland, O.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. CARRIAGE MAKERS' CLAMPS.
Pratt & Letchworth, Buffalo, N. Y.

D. DISPLAY CLAMPS, BOOT & SHOE.
Buffalo Last Works, Buffalo, N. Y. *248
Norwich Nickel & Brass Works, Norwich, Conn. *6

E. MACHINISTS' CLAMPS.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Billings & Spencer Co., Hartford, Conn. *103
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Dunn Bros. & Co., New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Otis A. Smith, Rockfall, Conn.
W. W. Woodruff & Sons, Mt. Carmel, Conn.

F. MACHINISTS' HEAVY STEEL CLAMPS.
C. W. Le Count, S. Norwalk, Conn.
C. & A. Potts Co., Indianapolis, Ind.

G. QUILT FRAME CLAMPS.
Peck, Stow & Wilcox Co., Southington, Conn.
C. & A. Potts Co., Indianapolis, Ind.

H. TRAP SETTING CLAMPS.
Oneida Community, Ltd., Community, N. Y.

I. VISE CLAMPS.
C. W. Le Count, S. Norwalk, Conn.
Prentiss Vise Co., 44 Barclay St., New York.

J. WHEEL FLANGING CLAMPS.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Eberhard Mfg. Co., Cleveland, O.

K. WOOD CLAMPS.
Armstrong Mfg. Co., Bridgeport, Conn. *154
R. Bliss Mfg. Co., Pawtucket, R. I.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.

1556. CLAY WORKING MACHINERY.

A. CLAY BLOCKERS.
Taplin, Rice & Co., Akron, O.
Webster, Camp & Lane Machine Co., Akron, O. *258–61

B. CLAY CONVEYORS.
Frey-Sheckler Co., Bucyrus, O. *162
F. Huetteman & Co., 12 Sherman St., Detroit, Mich.
Webster, Camp & Lane Machine Co., Akron, O. *258–61

C. CLAY CRUSHERS.
Adrian Brick & Tile Machine Co., Adrian, Mich.
Bennett Clay Machinery Co, Jackson, Mich.
H. Brewer & Co , Tecumseh, Mich.
Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.
Drake's Standard Machine Works, 160 S. Clinton St., Chicago, Ill.
Frey-Sheckler Co., Bucyrus, O. *162
Frost Mfg. Co., Galesburg, Ill.
F. Huetteman & Co., 12 Sherman St., Detroit, Mich.
Newell Universal Mill Co., 136 Liberty St., New York.

J. W. Penfield & Son, Willoughby, O.
Nathan Stedman, Aurora, Ind.
Tiffin Agricultural Works, Tiffin, O.
Wallace Mfg. Co., Frankfort, Ind.
Webster, Camp & Lane Machine Co., Akron, O. *258-61

D. CLAY DISINTEGRATORS. Frey-Sheckler Co., Bucyrus, O. *162
James Murray & Son, Baltimore, Md.
C. & A. Potts Co., Indianapolis, Ind.
Nathan Stedman, Aurora, Ind.

E. CLAY ELEVATORS. Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.
Eagle Machine Works, Bucyrus, O.
Frey-Sheckler Co., Bucyrus, O. *162
F. Huetteman & Co., 12 Sherman St., Detroit, Mich.
J. W. Penfield & Son, Willoughby, O.
Tiffin Agricultural Works, Tiffin, O.
Webster, Camp & Lane Machine Co., Akron, O. *258-61

F. CLAY MILLS. Dickson Mfg. Co., Scranton, Pa.
Frey-Sheckler Co., Bucyrus, O. *162
Newell Universal Mill Co., 136 Liberty St., New York.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
Taplin, Rice & Co., Akron, O.
Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.

G. CLAY MILLS, TRAVERSE. Taplin, Rice & Co., Akron, O.
Webster, Camp & Lane Machine Co., Akron, O. *258-61

H. CLAY MIXERS. E. M. Freese & Co., Plymouth, Mass.
Frey-Sheckler Co., Bucyrus, O. *162
S. Hughes Mfg. Co., Hamilton, O.

I. CLAY PANS. Thomas Carlin's Sons, Allegheny, Pa.
Wm. Fisher, Pittsburgh, Pa.

J. CLAY PANS, DRY. Stevenson & Co., Wellsville, O.
Taplin, Rice & Co., Akron, O.
Webster, Camp & Lane Machine Co., Akron, O. *258-61

K. CLAY SCREENS. Milton F. Williams & Co., 1417 N. 2d St., St. Louis, Mo.

L. CLAY TEMPERING MACHINES. C. W. Raymond & Co., Dayton, O.
Tiffin Agricultural Works, Tiffin, O.
Webster, Camp & Lane Machine Co., Akron, O. *258-61

M. CLAY WHEELS. Samuel P. Miller & Son, 309 S. 5th St., Philadelphia, Pa.
D. J. C. Arnold, New London, O.
National Mfg. Co., Worcester, Mass.
C. W. Raymond & Co., Dayton, O.

N. STONE SEPARATORS. H. Brewer & Co., Tecumseh, Mich.
Chambers Bros. Co., 52d St. & Lancaster Av., Philadelphia, Pa.
J. W. Penfield & Son, Willoughby, O.
Wallace Mfg. Co , Frankfort, Ind.

1557. CLOCK MACHINERY.
Blake & Johnson, Waterbury, Conn.

1558. CLOTH CUTTING MACHINES.
Isaac Fenno & Co., 28 Summer St., Boston, Mass.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.

1559. CLOTHES PIN MACHINERY.
Buss Machine Works, Grand Rapids, Mich.
Alvin Streeter, Winchendon, Mass.

1560. COFFEE MACHINERY.

A. COFFEE CLASSIFIERS. McIvers Bros. Machine Co., Worcester, Mass.

B. COFFEE CLEANERS. Jabez Burns & Sons, 3 Worth St., New York.
Hungerford Co., 69 Pearl St., New York.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

C. COFFEE CRUSHERS. Jabez Burns & Sons, 3 Worth St., New York.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

D. COFFEE DRYERS. American Mfg. Co., Waynesboro', Pa.
Hungerford Co., 67 Pearl St., New York.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

E. COFFEE HULLERS. McIvers Bros. Machine Co., Worcester, Mass.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

F. COFFEE MILL HOPPERS. Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

G. COFFEE MILLS. Ames Plow Co., Quincy Hall, Boston, Mass.
Arcade Mfg. Co., Freeport, Ill.
Bartlett Hardware Co., Freeport, Ill.
Belknap Motor Co., Portland, Me.
John Blessing, Wilkes Barre, Pa.
Jabez Burns & Sons, 3 Worth St., New York.
Enterprise Mfg. Co. of Pa., 3d & Dauphin Sts., Philadelphia, Pa.
A. B. Farquhar & Co., York, Pa.
Landers, Frary & Clark, New Britain, Conn.
Lane Bros., Poughkeepsie, N. Y.

McIvers Bros. Machine Co., Worcester, Mass.
John T. Noye Mfg. Co., Buffalo, N. Y.
Charles Parker Co., Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Henry Troemner, 710 Market St., Philadelphia, Pa.

H. COFFEE MILLS, FRENCH BUHR. — Warner Mfg. Co., Freeport, Ill.

I. COFFEE POLISHERS. — Jabez Burns & Sons, 3 Worth St., New York.
Hungerford Co., 67 Pearl St., New York.
McIvers Bros. Machine Co., Worcester, Mass.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

J. COFFEE ROASTERS. — Frederick Akers, 16 Jay St., New York.
Bramhall, Deane & Co., 264 Water St., New York.
Jabez Burns & Sons, 3 Worth St., New York.
T. B. C. Burpee, 1624 N. 9th St., Philadelphia, Pa.
Hungerford Co., 67 Pearl St., New York.
Lane Bros., Poughkeepsie, N. Y.
W. E. Vernon, Oskaloosa, Iowa.

K. COFFEE ROASTERS, GAS. — Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.

L. COFFEE SEPARATORS. — Jabez Burns & Sons, 3 Worth St., New York.
Johnson & Field Co., Racine, Wis.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

M. COFFEE SIFTERS. — Jabez Burns & Sons, 3 Worth St., New York.
National Mfg. Co., Worcester, Mass.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

1561. COFFIN FACTORY MACHINERY.
Buss Machine Works, Grand Rapids, Mich.

1562. COKE CRUSHERS. — Kenney & Co., Scottdale, Pa.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Vulcan Iron Works, Wilkes Barre, Pa. *131

1563. COMBINATION HANDY TOOLS.
Model Mfg. Co. of Pa., 197 Huntingdon St., Philadelphia, Pa.
Standard Tool Co., Cleveland, O.

1564. COMB MACHINERY. — Gould & Cook, Leominster, Mass.

1565. COMPASSES. — Bemis & Call Hardware & Tool Co., Springfield, Mass.
C. S. Osborne & Co., Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248
L. S. Starrett, Athol, Mass.

A. PENCIL COMPASSES. — Peck, Stow & Wilcox Co., Southington, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

1566. CONCRETE MIXERS. — Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
Ransome & Smith Co., San Francisco, Cal.

1567. CONFECTIONERS' MACHINES.

A. CANDY CUTTERS. — J. P. Anderson & Co., 614 Filbert St., Philadelphia, Pa.
Crandall & Godley, 157 Franklin St., New York.

B. CANDY PANS. — Crandall & Godley, 157 Franklin St., New York.
D. Picking & Co., Bucyrus, O.

C. COCOANUT DESICCATORS. — American Mfg. Co., Waynesboro', Pa.
Crandall & Godley, 157 Franklin St., New York.

D. CONFECTIONERS' JACKET KETTLES. — Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.

E. CONFECTIONERS' MOULDS. — Sidney E. Smith, 75 Fulton St., New York.

F. CONFECTIONERS' TOOLS. — McDowell Oven & Furnace Co., 121 Haverhill St., Boston, Mass.
Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.
Sidney E. Smith, 75 Fulton St., New York.

G. CONFECTIONERS' UTENSILS. — J. P. Anderson & Co., 614 Filbert St., Philadelphia, Pa.
Geo. Endriss, 700 N. 3d St., Philadelphia, Pa.
Wm. Hart, 39 Catharine St., New York.
McDowell Oven & Furnace Co., 121 Haverhill St., Boston, Mass.

H. EGG BEATING MACHINES. — J. H. Day & Co., Broadway & Eggleston Av., Cincinnati, O.
Crandall & Godley, 157 Franklin St., New York.

1568. CONVEYING MACHINERY.

A. BELT CONVEYORS. — Link-Belt Machine Co., 39th St. & Stewart Av., Chicago, Ill.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

B. COAL CONVEYORS. — Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. CONVEYOR SHAFTS & FLIGHTS. — Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. ELEVATOR BOOTS. — Jeffrey Mfg. Co., Columbus, O.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.

E. ELEVATOR CUPS. — Leonard D. Harrison, New Haven, Conn.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.

F. FLOUR CONVEYORS. — Edward P. Allis, Milwaukee, Wis.

Robt. Bing & Co., May's Landing, N. J.
John T. Noye Mfg. Co., Buffalo, N. Y.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.

G. FREIGHT CONVEYORS.
Industrial Works, Bay City, Mich.
Vulcan Iron Works, Wilkes Barre, Pa. *131

H. GRAIN ELEVATOR CONVEYORS.
Henry C. Morris, 926 Drexel Building, Philadelphia, Pa.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

I. LINK-BELT CONVEYORS.
Link-Belt Machine Co., 39th St. & Stewart Av., Chicago, Ill.

J. ROCK & ORE CONVEYORS.
Gates Iron Works, 46 S. Clinton St., Chicago, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

K. SEAMLESS STEEL CONVEYOR BOXES.
Avery Stamping Co., Cleveland, O.

L. STEEL SPIRAL CONVEYORS.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

1569. COOPERS' MACHINERY.

S. Adams & Son, Rome, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
E. C. Atkins & Co., Indianapolis, Ind. *198
Buss Machine Works, Grand Rapids, Mich.
Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
Defiance Machine Works, Defiance, O.
Filer & Stowell Co., Milwaukee, Wis.
Frank & Co., 176 Terrace St., Buffalo, N. Y.
Geo. J. Fritz, 2018 S. 3d St., St. Louis, Mo.
Frontier Iron & Brass Works, Detroit, Mich.
M. Garland, Bay City, Mich.
Peter Gerlach & Co., Cleveland, O.
G. N. Goodspeed, Winchendon, Mass.
R. Hoe & Co., 504 Grand St., New York.
E. & B. Holmes, Buffalo, N. Y. *60
I. E. Merritt Machinery Co., Lockport, N. Y.
John S. Oram, Cleveland, O.
Sandusky Tool Co., Sandusky, O. *210
Alvin Streeter, Winchendon, Mass.
Trevor Mfg. Co., Lockport, N. Y. *91
L. & I. J. White, Buffalo, N. Y.

1570. COOPERS' TOOLS.

American Axe & Tool Co., Pittsburgh, Pa.
E. C. Atkins & Co., Indianapolis, Ind. *198
Atha Tool Co., Newark, N. J. *82
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Collins Co., Collinsville, Conn.
C. Drew & Co., Kingston, Mass.
R. J. Flowers, Cairo, Ill.
Globe Mfg. Co., Anderson, Ind.
M. Gregg & Son, Rochester, N. Y.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
Sandusky Tool Co., Sandusky, O. *210
A. A. Simonds, Dayton, O.
E. C. Stearns & Co., Syracuse, N. Y.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
L. & I. J. White, Buffalo, N. Y.

1571. CORDAGE MACHINERY.

John Good, 89 Washington Av., Brooklyn, N. Y.
S. K. Lovewell & Co., Chelsea, Mass.

1572. CORSET CUTTING BLOCKS.

J. Gibb, Smith & Co., New Haven, Conn.

1573. CORSET STEEL TIPPING MACHINES.

E. B. Stimpson & Son, 31 Spruce St., New York. *222

1574. COTTON GINS.

Brown Cotton Gin Co., New London, Conn.
Carver Cotton Gin Co., E. Bridgewater, Mass.
Eagle Cotton Gin Co., Bridgewater, Mass. *160
Frick Co., Waynesboro', Pa. *153
Gullett Gin Co., Amite City, La.
Hall's Self Feeding Cotton Gin Co., Sing Sing, N. Y.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
George R. Lombard & Co., Augusta, Ga.
Longview Kelly Plow Mfg. Co., Longview, Tex.
Massey Cotton Gin Works, Macon, Ga.
Milburn Gin & Machine Co., Memphis, Tenn.
Munger Improved Cotton Machine Mfg. Co., Dallas, Tex.
Daniel Pratt Gin Co., Prattville, Ala.
Pratt Gin Co., Memphis, Tenn.
Smith Sons Gin & Machine Co., Birmingham, Ala.

Southern Agricultural Works, Atlanta, Ga.
Van Winkle Gin & Machine Co., Atlanta, Ga.
Winship Machine Co., Atlanta, Ga.

A. COTTON GIN FEEDERS & CONDENSERS.
Brown Cotton Gin Co., New London, Conn.
Carver Cotton Gin Co., E. Bridgewater, Mass.
Eagle Cotton Gin Co., Bridgewater, Mass. *160
Frick Co., Waynesboro', Pa. *153
Gullett Gin Co., Amite City, La.
Hall's Self Feeding Cotton Gin Co., Sing Sing, N. Y.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Milburn Gin & Machine Co., Memphis, Tenn.
Munger Improved Cotton Machine Mfg. Co., Dallas, Tex.
Daniel Pratt Gin Co., Prattville, Ala.
Smith Sons Gin & Machine Co., Birmingham, Ala.
Van Winkle Gin & Machine Co., Atlanta, Ga.
Winship Machine Co., Atlanta, Ga.

B. COTTON GIN FEEDERS, AUTOMATIC.
Albany Agricultural & Machine Co., Albany, N. Y.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Smith Sons Gin & Machine Co., Birmingham, Ala.

C. COTTON GIN OUTFITS.
H. Dudley Coleman & Co., New Orleans, La.
Kingsland & Douglas, Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

D. COTTON GIN PARTS.
Brown Cotton Gin Co., New London, Conn.
George R. Lombard & Co., Augusta, Ga.

E. COTTON GIN PINS.
Wm. Crabb & Co., Newark, N. J.
Van Winkle Gin & Machine Co., Atlanta, Ga
H. A. Williams Mfg. Co., Taunton, Mass. *52

F. COTTON GIN SAW FILES.
Atlanta Machinery Co., Atlanta, Ga.
Heller & Bros., Newark, N. J.
Munger Improved Cotton Machine Mfg. Co., Dallas, Tex.

G. COTTON GINS, HAND.
Brown Cotton Gin Co., New London, Conn.
Eagle Cotton Gin Co., Bridgewater, Mass. *160

H. COTTON GINS, HULLER.
Gullett Gin Co., Amite City, La.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

I. COTTON GINS, SEA ISLAND.
Valk & Murdock Iron Works, Charleston, S. C.

1575. COTTON SEED MACHINERY.

A. COTTON SEED CRUSHERS.
Barbour Machine Works, Anniston, Ala.
Boomer & Boschert Press Co., Syracuse, N. Y.
Cardwell Machine Co., Richmond, Va.
Chattanooga Plow Co., Chattanooga, Tenn.
Foos Mfg. Co., Springfield, O.
L. J. Miller, 166 Harrison Av., Cincinnati, O.
Van Winkle Gin & Machine Co., Atlanta, Ga.

B. COTTON SEED CRUSHING ROLLS.
G. H. Bushnell Co., Thompsonville, Conn.
George J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Lobdell Car Wheel Co., Wilmington, Del.

C. COTTON SEED HULLERS.
Boomer & Boschert Press Co., Syracuse, N. Y.
Diamond Huller & Oil Co., Memphis, Tenn.
Foos Mfg. Co., Springfield, O.
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.
Livermore Foundry & Machine Co., Memphis, Tenn.
Planters' Oil Mill Co., Memphis, Tenn.
Van Winkle Gin & Machine Co., Atlanta, Ga.

D. COTTON SEED LINTERS.
Brown Cotton Gin Co., New London, Conn.
Van Winkle Gin & Machine Co., Atlanta, Ga.

E. COTTON SEED OIL MACHINERY.
Buckeye Iron & Brass Works, Dayton, O.
Buffalo Scale Co., Buffalo, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Talbott & Sons, Macon, Ga.

F. COTTON SEED SPIRAL CONVEYORS.
Van Winkle Gin & Machine Co., Atlanta, Ga.

G. SEED COTTON ELEVATORS.
Van Winkle Gin & Machine Co., Altanta, Ga.

H. SEED MEAL MOULDERS.
G. H. Bushnell Co., Thomsonville, Conn.
Geo. J. Fritz, 2008 S. 3d St., St. Louis, Mo.

1576. COUNTERSINKS.
Billings & Spencer Co., Hartford, Conn. *103
Cleveland Twist Drill Co., Cleveland, O.
A. H. & J. S. Deuse, Chester, Conn.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
H. H. Mayhew & Co., Shelburne Falls, Mass.
Otis A. Smith, Rockfall, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Syracuse Twist Drill Co., Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
Wells Bros. & Co., Greenfield, Mass.

Wiley & Russell Mfg. Co., Greenfield, Mass.

1577. COUNTING MACHINES. Benton Mfg. Co., 291 W. 11th St., New York.
Felt & Tarrant Mfg. Co., 52 Illinois St., Chicago, Ill.
C. J. Root, Bristol, Conn.

A. AUTOMATIC MECHANISM. D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

B. REGISTERING MECHANISM. Benton Mfg. Co., 291 W. 11th St., New York.
D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

1578. CRADLE & CONE INDIGO MILLS.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

1579. DAIRY MACHINERY.

A. BUTTER CARRIERS.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

B. BUTTER EXTRACTORS.
Childs & Jones, Utica, N. Y.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Vermont Farm Machine Co., Bellows Falls, Vt.

C. BUTTER FACTORY APPARATUS.
D. H. Burrell & Co., Little Falls, N. Y.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Chas. Millar & Son, Utica, N. Y.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.

D. BUTTER MOULDS.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
A. H. Reid, S. 30th c. Market Sts., Philadelphia, Pa.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

E. BUTTER PRINTERS.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
Barnet R. Rapp, West Chester, Pa.
A. H. Reid, S. 30th & Market Sts., Philadelphia, Pa.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

F. BUTTER WORKERS.
D. F. Barclay, Elgin, Ill.
Blakeman & Dobson Mfg. Co., Rockford, Ill.
D. H. Burrell & Co., Little Falls, N. Y.
John S. Carter, Syracuse, N. Y.
Childs & Jones, Utica, N. Y.
A. C. Clarke & Co., Manchester, Iowa.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Flint Cabinet Creamery Co., Flint, Mich.
Wm. E. Lincoln, Warren, Mass.
Moseley & Pritchard Mfg. Co., Clinton, Iowa.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
H. H. Palmer & Co., Rockford, Ill.
Geo. H. Pounder, Fort Atkinson, Wis.
A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
Union Mfg. Co., Toledo, O.
Vermont Farm Machine Co., Bellows Falls, Vt.

G. BUTTER WORKERS, POWER.
D. H. Burrell & Co., Little Falls, N. Y.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Davis & Rankin, 240 W. Lake St., Chicago, Ill.
A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
D. H. Roe & Co., 58 N. Clinton St., Chicagó, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

H. BUTTER & CHEESE TRIERS.
D. H. Burrell & Co., Little Falls, N. Y.
Creamery Package Mfg. Co , 20 N. Clark St., Chicago, Ill.
Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Humason & Beckley Mfg. Co., New Britain, Conn.
Vermont Farm Machine Co., Bellows Falls, Vt.

I. CENTRIFUGAL CREAM SEPARATORS.
D. H. Burrell & Co., Little Falls, N. Y.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
P. M. Sharpless, W. Chester, Pa.

J. CHEESE FACTORY APPARATUS.
D. H. Burrell & Co., Little Falls, N. Y.
Childs & Jones, Utica, N. Y.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Chas. Millar & Son, Utica, N. Y.
Moseley & Stoddard Mfg. Co., Rutland, Vt.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

K. CHEESE HOOPS.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Moseley & Stoddard Mfg. Co., Rutland, Vt.

	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
L. CHEESE PRESSES.	Samuel Booth, 543 W. 35th St., New York.
	D. H. Burrell & Co., Little Falls, N. Y.
	John S. Carter, Syracuse, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	Vermont Farm Machine Co., Bellows Falls, Vt.
M. CHEESE PRESSES, GANG.	D. H. Roe & Co., 58 N. Clinton St., Philadelphia, Pa.
	Vermont Farm Machine Co., Bellows Falls, Vt.
N. CHEESE VATS.	D. H. Burrell & Co., Little Falls, N. Y.
	Childs & Jones, Utica, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Chas. Millar & Son, Utica, N. Y.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
O. CHEESE VATS, STEAM.	John S. Carter, Syracuse, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	Vermont Farm Machine Co., Bellows Falls, Vt.
	C. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill.
P. CHURNS.	Ames Plow Co., Quincy Hall, Boston, Mass.
	D. F. Barclay, Elgin, Ill.
	H. F. Batcheller & Son, Rock Falls, Ill.
	Blakeman & Dobson Mfg. Co., Rockford, Ill.
	Bousfield & Co., Bay City, Mich.
	John Boyd, 199 Lake St., Chicago, Ill.
	H. F. Brammer Mfg. Co., Davenport, Iowa.
	M. Brown & Co., Wapakoneta, O.
	Buckeye Churn Co., Dundee, Mich.
	D. H. Burrell & Co., Little Falls, N. Y.
	John S. Carter, Syracuse, N. Y.
	A. C. Clarke & Co., Manchester, Iowa.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	H. P. Deuscher Co., Hamilton, O.
	Wyman L. Edson, Union Centre, N. Y.
	A. B. Farquhar & Co., York, Pa.
	Flint Cabinet Creamery Co., Flint, Mich.
	Horton Mfg. Co., Fort Wayne, Ind.
	John Hosford, Monroeville, O.
	I-X-L Pump Co., Goshen, Ind.
	John McDermaid, Rockford, Ill.
	Menasha Woodenware Co., Menasha, Wis.
	Moseley & Pritchard Mfg. Co., Clinton, Iowa.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	Oval Churn Co., Goshen, Ind.
	H. H. Palmer & Co., Rockford, Ill.
	Prewitt, Spurr & Co., Nashville, Tenn.
	Racine Malleable & Wrought Iron Co., Racine, Wis.
	A. H. Reid, cor. S. 30th & Market Sts., Philadelphia, Pa.
	Richmond Cedar Works, Ltd., Richmond, Va.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	St. Albans Foundry, St. Albans, Vt.
	Soper Mfg. Co., Flint, Mich.
	Standard Churn Co., Wapakoneta, O.
	Union Mfg. Co., Toledo, O.
	Vandergrift Mfg. Co., Jamestown, N. Y.
	Vermont Farm Machine Co., Bellows Falls, Vt.
	Wapakoneta Churn & Handle Co., Wapakoneta, O.
	Winchester & Partridge Mfg. Co., Whitewater, Wis.
Q. CHURN ATTACHMENTS WINDMILL.	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Elgin Wind Power & Pump Co., Elgin, Ill.
	Sandwich Enterprise Co., Sandwich, Ill.
	Zimmerman Mfg. Co., Auburn, Ind.
R. CHURNS, BARREL.	John McDermaid, Rockford, Ill.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
	Standard Churn Co., Wapakoneta, O.
	Vermont Farm Machine Co., Bellows Falls, Vt.
S. CHURNS, BOX.	Ames Plow Co., Quincy Hall, Boston, Mass.
	Cornish, Curtis & Green, Fort Atkinson, Wis.
	Davis & Rankin, 240 W. Lake St , Chicago, Ill.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.

	A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa
	Vermont Farm Machine Co., Bellows Falls, Vt.
T. CHURNS, FACTORY.	Cornish, Curtis & Green, Fort Atkinson, Wis.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	A. H. Reid, S. 30th cor. Market Sts , Philadelphia, Pa.
	Vermont Farm Machine Co., Bellows Falls, Vt.
U. CHURNS, OIL TEST.	N. S. Andrews, Dubuque, Iowa.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Wyman L. Edson, Union Centre, N. Y.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
V. CHURNS, POWER.	John S. Carter, Syracuse, N. Y.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	A. H. Reid, S. 30th cor. Market Sts., Philadelphia Pa.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
W. CHURN POWERS.	H. F. Batcheller & Son, Rock Falls, Ill.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	John McDermaid, Rockford, Ill.
	Monroeton Mfg. Co., Monroeton, Pa.
	H. H. Palmer & Co., Rockford, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
X. CHURNS, REVOLVING.	Standard Churn Co., Wapakoneta, O.
Y. CHURNS, SWING.	Vermont Farm Machine Co., Bellows Falls, Vt.
	Winchester & Partridge Mfg. Co., Whitewater, Wis.
Z. CHURNS, THERMOMETER.	Ames Plow Co., Quincy Hall, Boston, Mass.
AA. COOLING VATS.	John S. Carter, Syracuse, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Haney & Campbell, Bellevue, Iowa.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
BB. CREAM SEPARATORS.	Vermont Farm Machine Co., Bellows Falls, Vt.
CC. CREAM MEASURE & GAUGE	Thos. Mills & Bro., 1301 N. 8th St., Philadelphia, Pa.
DD. CREAM TESTERS.	Wyman L. Edson, Union Centre, N. Y.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
EE. CREAM VATS.	D. H. Burrell & Co., Little Falls, N. Y.
	John S. Carter, Syracuse, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Flint Cabinet Creamery Co., Flint, Mich.
	Haney & Campbell, Bellevue, Iowa.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
FF. CREAMERIES.	John Boyd, 199 Lake St., Chicago, Ill.
	John S. Carter, Syracuse, N. Y.
	Childs & Jones, Utica, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Flint Cabinet Creamery Co., Flint, Mich.
	Grand Rapids Refrigerator Co., Grand Rapids, Mich.
	Wm. E. Lincoln, Warren, Mass.
	Moseley & Pritchard Mfg. Co., Clinton, Iowa.
	Moseley & Stoddard Mfg. Co., Rutland, Vt.
	H. H. Palmer & Co., Rockford, Ill.
	A. H. Reid, S. 30th cor. Market Sts., Chicago, Ill.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Smith & Jones, Utica, N. Y.
	Vermont Farm Machine Co., Bellows Falls, Vt.
GG. CURD MILLS.	Chas. Millar & Son, Utica, N. Y.
	G. D. & V. F. Pohl, Ava, N. Y.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
HH. DAIRY TANKS.	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Eclipse Wind Engine Co., Beloit, Wis.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	U. S. Wind Engine & Pump Co., Batavia, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.
II. MILK AERATORS.	E. L. Hill, West Upton, Mass.
JJ. MILK COOLERS.	D. F. Barclay, Elgin, Ill.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Grand Rapids Refrigerating Co., Grand Rapids, Mich.
	Iron Clad Mfg. Co., 22 Cliff St., New York.
	A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
	U. S. Wind Engine & Pump Co., Batavia, Ill.
	Vermont Farm Machine Co., Bellows Falls, Vt.

O. M. Whitman & Co., 82 Boston St., Boston, Mass.

KK. MILK TESTING MACHINES. Cornish, Curtis & Greene, Fort Atkinson, Wis.
A. H. Reid, S. 30th cor. Market Sts., Philadelphia, Pa.
P. M. Sharpless, W. Chester, Pa.

1580. DATE PICKS. Elmwood Tool Co., Providence, R. I.

1581. DISTILLERY MACHINERY.

Ainslie, Cochran & Co., Louisville, Ky.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Nordyke & Marmon Co., 1007 Morris Av., Indianapolis, Ind. *208
Ribon & March, 1st & Provost Sts., Jersey City, N. J.

A. SELF ACTING MASH MACHINES. Jochum & Jetter, 148 E. 50th St., New York.

1582. DITCHING MACHINES. American Road Machine Co., Kennett Square, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Benicia Agricultural Works, Benicia, Cal.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
Enterprise Mfg. Co., Columbiana, O.
Osgood Dredge Co., Albany, N. Y.

A. COUNTY DITCHERS. Marion Steam Shovel Co., Marion, O.

B. DITCHERS & EXCAVATORS. Benicia Agricultural Works, Benicia, Cal.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
Kilbourne & Jacobs Mfg. Co., Columbus, O,
Marion Steam Shovel Co., Marion, O.
Western Wheel Scraper Co., Mount Pleasant, Iowa.

C. DRAINAGE TOOLS. Geo. Griffiths Co., 513 Locust St., Philadelphia, Pa.
Iwan Bros., Streator, Ill.
T. Rowland's Sons, 12 N. 5th St., Philadelphia, Pa.
St. Louis Shovel Co., Duncan Av., St. Louis, Mo.

D. RAILROAD DITCHERS. F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Contractors' Plant Mfg. Co., Buffalo, N. Y. *91
Marion Steam Shovel Co., Marion, O.

E. TILE DITCHING MACHINERY. Kemp & Burpee Mfg. Co., Syracuse, N. Y.
Streator Engine & Machine Works, Streator, Ill.

1583. DIVIDERS. Bemis & Call Hardware & Tool Co., Springfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
Wright Machine Co., Worcester, Mass.

A. COMBINATION DIVIDERS. L. S. Starrett, Athol, Mass.

1584. DRAG SCRAPERS. S. Adams & Son, Rome, N. Y.
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co., Appleton, Wis.
F. C. Austin Mfg. Co., Carpenter & Carroll Sts., Chicago, Ill.
E. Bement & Sons, Lansing, Mich.
Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Brennan & Co., Louisville, Ky.
Castree-Mallery Co., Flint, Mich.
Chamberlain Plow Co., Dubuque, Iowa.
Curtis Mfg. Co., Albion, N. Y.
Donnohue & Madden, Mendota, Ill.
W. Eddy & Sons, Greenwich, N. Y.
Wm. P. Ford & Co., Concord, N. H.
James L. Haven Co., 56 Plum St., Cincinnati, O.
Hocking Valley Mfg. Co., Lancaster, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.
Monroeton Mfg. Co., Monroeton, Pa.
Morrison Mfg. Co., Fort Madison, Iowa.
J. S. & M. Peckham, Utica, N. Y.
Sidney Steel Scraper Co., Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
J. Thompson & Sons, Ltd., Beloit, Wis.
Weir Plow Co., Monmouth, Ill.
Western Wheel Scraper Co., Mount Pleasant, Iowa.
Winona Plow Co., Winona, Min.

A. REVOLVING DRAG SCRAPERS. American Steel Scraper Co., Sidney, O.

1585. DRAUGHTSMEN'S TOOLS.

A. DRAUGHTSMEN'S LINERS. W. Gardam & Son, 98 John St., New York.

B. STEEL TRIANGLES. Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.

C. STEEL T SQUARES. Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.

D. TRAMMEL POINTS. Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Stanley Rule & Level Co., New Britain, Conn.
L. S. Starrett, Athol, Mass.

	Tower & Lyon, 95 Chambers St., New York.	
1586. DREDGES.	Marion Steam Shovel Co., Marion, O.	
	Morris & Cummings Dredging Co., 24 State St., New York.	
	Osgood Dredge Co., Albany, N. Y.	
	Robert Poole & Son, Baltimore, Md.	*132
	Portland Company, Portland, Me.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
A. BOOM DREDGES.	Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.	
	Osgood Dredge Co., Albany, N. Y.	
B. DREDGE BUCKETS.	Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.	
C. DREDGE HULLS.	Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.	
D. STEAM DREDGES.	Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.	
	Marion Steam Shovel Co., Marion, O.	
	J. S. Mundy, Newark, N. J.	
	Robert Poole & Son Co., Baltimore, Md.	*132
1587. DRUGGISTS' IRONS.	Chalfant Mfg. Co., Atglen, Pa.	
1588. DRYING APPARATUS.	American Mfg. Co., Waynesboro', Pa.	
	Backus Water Motor Co., Newark, N. J.	
	Simonds Mfg. Co., 50 Cliff St., New York.	
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
A. COCOA DRYERS.	American Mfg. Co., Waynesboro', Pa.	
B. FERTILIZER DRYERS.	Rawson & Morrison, Cambridgeport, Mass.	
C. FISH DRYERS.	American Mfg. Co., Waynesboro', Pa.	
D. FRUIT DRYING HEATERS.	B. B. Beardsley, Waterville, N. Y.	
E. GRAIN & MEAL DRYERS.	American Mfg. Co., Waynesboro', Pa.	
	Case Mfg. Co., Columbus, O.	
	Hersey Mfg. Co., 314 W. 2d St., S. Boston, Mass.	
	Jeffrey Mfg. Co., Columbus, O.	
	Henry G. Morris, 209 S. 3d St., Philadelphia, Pa.	
	Nordyke & Marmon Co., Indianapolis, Ind.	*208
	Rawson & Morrison, Cambridgeport, Mass.	
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
F. HOP DRYERS.	American Mfg. Co., Waynesboro', Pa.	
	B. B. Beardsley, Waterville, N. Y.	
G. INDIGO DRYERS.	American Mfg. Co., Waynesboro', Pa.	
H. LUMBER DRYERS.	A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.	
	Huyett & Smith Mfg. Co., Detroit, Mich.	
	Iron Clad Dryer Co., 358 Dearborn St., Chicago, Ill.	
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
I. RAISIN DRYERS.	American Mfg. Co., Waynesboro', Pa.	
J. TEA DRYERS.	American Mfg. Co., Waynesboro', Pa.	
1589. DYNAMO ELECTRIC MACHINES.		
A. ALTERNATING CURRENT DYNAMOS.	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Fort Wayne Electric Co., Fort Wayne, Ind.	
	National Electric Mfg. Co., Eau Claire, Wis.	
	Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.	
B. ARC LIGHTING DYNAMOS.	Brush Electric Co., Cleveland, O.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Fort Wayne Electric Co., Fort Wayne, Ind.	
	Hawkeye Electric Mfg. Co., Davenport, Iowa.	
	Sawyer-Mann Electric Co., 510 W. 23d St., New York.	
	Schuyler Electric Co., Middletown, Conn.	
	Sperry Electric Co., 195 S. Canal St., Chicago, Ill.	
	Sperry Elec. Min. Machine Co., 39th St. & Stewart Av., Chicago, Ill.	
	Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.	
	Western Electric Co., 227 S. Clinton St., Chicago, Ill.	
	Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.	
C. COPPER REFINING DYNAMOS.	Eddy Electric Mfg. Co., Windsor, Conn.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
D. ELECTRIC PLATING DYNAMOS.	Brush Electric Co., Cleveland, O.	
	Eddy Electric Mfg. Co., Windsor, Conn.	
	Zucker & Levett Chemical Co., Flushing, L. I.	
E. ELECTROTYPING DYNAMOS.	Eddy Electric Mfg. Co., Windsor, Conn.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
F. INCANDESCENT LIGHTING DYNAMOS.	Audubon Machine Works, New Haven, Conn.	
	Belding Motor & Mfg. Co., 6 The Rookery, Chicago, Ill.	
	Brush Electric Co., Cleveland, O.	
	J. H. Bunnell & Co., 76 Cortlandt St., New York.	
	Card Electric Motor & Dynamo Co., 2d & Plum Sts., Cincinnati, O.	
	Eddy Electric Mfg. Co., Windsor, Conn.	
	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Fort Wayne Electric Co., Fort Wayne, Ind.	
	Hawkeye Electric Mfg. Co., Davenport, Iowa.	
	Heisler Electric Light Co., 809 S. 7th St., St. Louis, Mo.	
	Mather Electric Co., Manchester, Conn.	
	Queen City Electric Co., 54 Longworth St., Cincinnati, O.	

Sawyer-Mann Electric Co., 510 W. 23d St., New York.
Schuyler Electric Co., Middletown, Conn.
Sperry Elec. Min. Machine Co., 39th St. & Stewart Av., Chicago, Ill.
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.
Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.

G. MARINE DYNAMOS. Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256

H. POWER DYNAMOS. Brush Electric Co., Cleveland, O.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Thomson-Houston Electric Co., 620 Atlantic Av., Boston, Mass.
Waddell-Entz Electric Co., Bridgeport, Conn.
Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.

I. TELEGRAPH DYNAMOS. Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Waddell-Entz Electric Co., Bridgeport, Conn.

1590. DYNAMOMETERS.

Emerson Power Scale Co., 12 Post Office Square, Boston, Mass.
Lawrence Machine Co., Lawrence, Mass.
Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.

A. ELECTRO DYNAMOMETERS. Electric Mfg. Co., Troy, N. Y.
The E. S. Greeley & Co., 7 Dey St., New York.

1591. EARTH MOVING MACHINERY.

Contractors' Plant Mfg. Co., Buffalo, N. Y. *91

1592. EDGE TOOLS.

Kilbourne & Jacobs Mfg. Co., Columbus, O.
American Axe & Tool Co., Pittsburgh, Pa.
James Hardy, Newark, N. J.
Henry Knickerbacker, Ballston Spa, N. Y.
Ohio Tool Co., Columbus, Ohio. *207
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
L. & I. J. White, Buffalo, N. Y.

1593. ELECTROTYPERS' MACHINERY.

C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50
John Royle & Sons, Paterson, N. J.

A. BLACK LEADING MACHINES. C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50

B. COMBINED JIG SAWS & DRILLS. C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St , New York. *50

C. ELECTROTYPERS' SAW TABLES. C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50
John Royle & Sons, Paterson, N. J.

D. ELECTROTYPE TRIMMERS. O. W. Bullock & Co., Springfield, Mass.
C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50

E. ELECTROTYPERS' WOOD PLANERS. O. W. Bullock & Co., Springfield, Mass.
C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50
MacKellar, Smiths & Jordan Co., 612 Sansom St., Philadelphia, Pa.
John Royle & Sons, Paterson, N. J.

F. ELECTROTYPERS' WOOD WORKING MACHINES. Lovejoy Co., 444 Pearl St., New York. *50
John Royle & Sons, Paterson, N. J.

G. MOULDING MACHINES. O. W. Bullock & Co., Springfield, Mass.
G. H. Bushnell Co., Thompsonville, Conn.
C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50

H. ROUTING MACHINES. O. W. Bullock & Co., Springfield, Mass.
Campbell Printing Press & Mfg. Co., Taunton, Mass.
C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50
John Royle & Sons, Paterson, N. J.

I. SHAVING MACHINES. O. W. Bullock & Co., Springfield, Mass.
C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50

J. WAX KETTLES & TABLES. C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50

1594. ENAMELLED CLOTH MACHINERY.

Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Cyrus Currier & Sons, Newark, N. J.

1595. ENGRAVERS' TOOLS.

O. W. Bullock & Co., Springfield, Mass.
Cyrus Currier & Sons, Newark, N. J.
F. W. Gesswein, 39 John St., New York.
Morgans & Wilcox Mfg. Co., Middletown, N. Y.

A. CYCLOIDAL RULING MACHINES. Dickinson & Osborne, Belleville, N. J.

B. STEEL PLATE RULING MACHINES. Dickinson & Osborne, Belleville, N. J.

1596. ENGRAVING MACHINES.

A. E. Francis, Cleveland, O.

	John Hope, Providence, R. I.	
1597. ENVELOPE MACHINES.	Lester & Wasley, Norwich, Conn.	
	Martin Rau, 39 Centre St., New York.	
A. ENVELOPE CUTTING PRESSES.	T. W. & C. B. Sheridan, 2 Reade St., New York.	
B ENVELOPE FOLDING & GUMMING MACHINES.	Martin Rau, 39 Centre St., New York.	
1598. EYELETING MACHINES.		
	C. S. Fifield & Co., 53 High St., Boston, Mass.	
	J. K. Krieg & Co., 39 Warren St., New York.	
	H. L. Lipman, 51 S. 4th St., Philadelphia, Pa.	
	National Machine Co., 385 Broadway, New York.	
	E. L. Sibley, Bennington, Vt.	
	Singer Mfg. Co., 385 Broadway, New York.	*214
	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
A. EYELETING MACHINES, SELF FEED.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
B. EYELET SETS.	Wm. Johnson, Newark, N. J.	
1599. FANS.		
A. CEILING FANS.	Seymour & Whitlock, Newark, N. J.	
	Simonds Mfg. Co., 50 Cliff St., New York.	
	Warfield Mfg. Co., Baltimore, Md.	
	L. J. Wing & Co., 126 Liberty St., New York.	
B. COLUMN FANS.	Backus Water Motor Co., Newark, N. J.	
	Diehl & Co., 385 Broadway, New York.	
	Warfield Mfg. Co., Baltimore, Md.	
C. DISC FANS.	Buffalo Forge Co., Buffalo, N. Y.	
	Diehl & Co., 385 Broadway, New York.	
	Huyett & Smith Mfg. Co., Detroit, Mich.	
	Simonds Mfg. Co., 50 Cliff St , New York.	
	L. J. Wing & Co., 126 Liberty St., New York.	
D. ELECTRIC FANS.	Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y.	*256
	Thos. H. Dallett & Co., York St. & Sedgley Av., Phila., Pa.	*257
B. ELEVATOR FANS.	Buffalo Forge Co., Buffalo, N. Y.	
	Garden City Fan Co., 52 W. Washington St., Chicago, Ill.	
F. EXHAUST FANS.	Backus Water Motor Co., Newark, N. J.	
	U. Baird Machinery Co., Pittsburgh, Pa.	
	Boston Blower Co., Hyde Park, Mass.	
	Buffalo Forge Co., Buffalo, N. Y.	
	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Champion Blower & Forge Co., Lancaster, Pa.	
	C. & C. Electric Motor Co., 402 Greenwich St., New York.	
	Geo. P. Clark, Windsor Locks, Conn.	
	Dickson Mfg. Co., Scranton, Pa.	
	Exeter Machine Works, Exeter, N. H.	
	Foos Mfg. Co., Springfield, O.	
	Garden City Fan Co., 52 W. Washington St., Chicago, Ill.	
	Huyett & Smith Mfg. Co., Detroit, Mich.	
	P. H. & F. M. Roots Co., Connersville, Ind.	
	C. G. Sargent's Sons, Graniteville, Mass.	
	Seymour & Whitlock, Newark, N. J.	
	Simonds Mfg. Co., 50 Cliff St., New York.	
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
	Tolhurst Machine Co., Troy, N. Y.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Warfield Mfg. Co., Baltimore, Md.	
	L. J. Wing & Co., 126 Liberty St., New York.	
G. SEED COTTON ELEVATOR FANS.	Huyett & Smith Mfg. Co., Detroit, Mich.	
	Simonds Mfg. Co., 50 Cliff St., New York.	
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.	
	L. J. Wing & Co., 126 Liberty St., New York.	
H. SUCTION FANS.	Barnard & Leas Mfg. Co., Moline, Ill.	
	Buffalo Forge Co., Buffalo, N. Y.	
	Unadilla Machine Co., Unadilla, N. Y.	
	L. J. Wing & Co., 126 Liberty St., New York.	
I. VENTILATOR FANS.	Backus Water Motor Co., Newark, N. J.	
	Buffalo Forge Co., Buffalo, N. Y.	
	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Champion Blower & Forge Co., Lancaster, Pa.	
	Geo. P. Clark, Windsor Locks, Conn.	
	Dickson Mfg. Co., Scranton, O.	
	Diehl & Co., 385 Broadway, New York.	
	C. & C. Electric Motor Co., 402 Greenwich St., New York.	
	Huyett & Smith Mfg. Co., Detroit, Mich.	
	Ottumwa Iron Works, Ottumwa, Iowa.	

Seymour & Whitlock, Newark, N. J.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Tolhurst Machine Works, Troy, N. Y.
Vulcan Iron Works. Wilkes Barre, Pa. *131

J. WOOL ELEVATING FANS.
Buffalo Forge Co., Buffalo, N. Y.

1600. FARRIERS' TOOLS.
Atha Tool Co., Newark, N. J. *82
Buffalo Hammer Co., Buffalo, N. Y.
Henry Cheney Hammer Co., Little Falls, N. Y.
Abner Doble Co., San Francisco, Cal.
C. Hammond & Son, Ogontz, Pa.
Hartford Hammer Co., Hartford, Conn.
H. H. Harvey, 116 High St., Boston, Mass.
Heller Bros., Newark, N. J.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
Wells Bros. & Co., Greenfield, Mass.

A. HORSE SHOE VISES.
P. F. Burke, 360 Dorchester Av., S. Boston, Mass.
Fairhaven Iron Foundry, Fairhaven, Mass.

1601. FENCE MACHINES.
Fillebrown & Son, Piqua, O.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
S. H. Garrett, Mansfield, O.
Georgia Fence Co., Atlanta, Ga.
Griffith & Wedge Co., Zanesville, O.
M. C. Henley, Richmond, Ind.
Hoosier Drill Co., Richmond, Ind.
McSherry Mfg. Co., Dayton, O.
O. Moseley, Peru, Ind.
Wayne Works, Richmond, Ind.
C. Wright & Son, Dayton, O.

1602. FERTILIZER FACTORY MACHINERY.
Ellicott Machine Co., Baltimore, Md.
Link-Belt Machine, 39th St. & Stewart Av., Chicago, Ill.
Robert Poole & Son Co., Baltimore, Md. *132
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Valk & Murdock Iron Works, Charleston, S. C.
Van Winkle Gin & Machine Co.. Atlanta, Ga.

A. FERTILIZER MILLS.
Samuel Carey, 17 Broadway, New York. *255
Robert Poole & Son Co., Baltimore, Md. *132
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.
Thompson & Campbell, 1022 Germantown Av., Phila., Pa.

B. FISH SCRAP GRINDERS.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

1603. FIBRE MACHINES.
Ferracute Machine Co., Bridgeton, N. Y.

1604. FILES.
Arcade File Works, Sing Sing, N. Y.
G. & H. Barnett, 21 Richmond St., Philadelphia, Pa.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Chatterton File Works, Providence, R. I.
Henry Disston & Sons, Tacony & N. Front St., Phila., Pa.
Eagle File Co., Middletown, N. Y.
J. M. Everhart, Scranton, Pa.
Peter Gerlach & Co., Cleveland, O.
Heller & Bros., Newark, N. J.
J. S. Irwin File Works, Ltd., Rochester, N. Y.
Kearney & Foot Co., 102 Reade St., New York.
McCaffrey File Co., 1839 N. 5th St., Philadelphia, Pa.
McClellan File Co., E. Saginaw, Mich.
McFadden Co., 735 Market St., Philadelphia, Pa.
Madden & Cockayne File Co., Middletown, N. Y.
Maischoss Bros., Buffalo, N. Y.
Manning, Maxwell & Moore, 111 Liberty St., New York.
Nicholson File Co., Providence, R. I.
Reynolds Bros., Columbus, O.
A. F. Sharpleigh Hardw. Co., Washn. Av. & 4th St ,St. Louis,Mo.
J. Barton Smith Co., N. 4th & Somerset Sts., Phila., Pa.
Waterbury Recut File Co., Waterbury, Conn.
Western File Co.. Ltd., Beaver Falls, Pa.
Worcester File Works, Worcester, Mass.

A. FILE HOLDERS.
Nicholson File Co., Providence, R. I.

B. FILE SHARPENERS.
A. S. Parsons, Bridgeport, Conn.

C. MANICURE FILES.
A. F. Bannister & Co., Newark, N. J.

1605. FIRING TOOLS.
Dickson Mfg. Co., Scranton, Pa.

1606. FLAX SEED REELS & CLEANERS.
Barnard & Leas Mfg. Co., Moline, Ill.
Johnson & Field Co., Racine, Wis.
E. H. Pease Mfg. Co., Racine, Wis.

1607. FLOOR LAYING CLAMPS.
J. H. Hoague, Chicopee, Mass.
M. A. Ryan, 66 E. 88th St., New York.

1608. FLORAL TOOLS.
B. B. Noyes & Co., Greenfield, Mass.

A. FLOWER PICKERS.
Acme Shear Co., Bridgeport, Conn.

1609. FLUE CLEANERS.
Chalmers, Spence Co., 419 E. 8th St., New York.
A. W. Chesterton & Co., 49 India St., Boston, Mass.
Cleveland Flue Cleaner Mfg. Co., Cleveland, O.
Crescent Mfg. Co., Cleveland, O.
Kendall Mfg. Co., Buffalo, N. Y.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
J. Regester & Sons, Baltimore, Md.
Ruffner & Dunn, Bowman cor. Cresson Sts., Philadelphia, Pa.
Shields & Brown Co., 240 Randolph St., Chicago, Ill.

1610. FLY NET MACHINERY.
H. F. Osborne, Newark, N. J.

1611. FOLDING & ENVELOPING MACHINES.
Natl Folding & Enveloping Co., 500 Dearborn St., Chicago, Ill.

1612. FORGES.
Buffalo Forge Co., Buffalo, N. Y.
T. H. Bullock Bellows & Forge Co., Cleveland, O.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Champion Blower & Forge Co., Lancaster, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Dickson Mfg. Co., Scranton, Pa.
Louisville Steam Forge Co., Louisville, Ky.
Miner & Peck Mfg. Co., New Haven, Conn.
New Albany Forge & Rolling Mill Co., New Albany, Ind.
Putnam Machine Co., Fitchburg, Mass.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

A. PORTABLE FORGES.
Billings & Spencer Co., Hartford, Conn. *103
Bradley & Co., Syracuse, N. Y.
Buffalo Forge Co., Buffalo, N. Y.
T. H. Bullock Bellows & Forge Co., Cleveland, O.
Champion Blower & Forge Co., Lancaster, Pa.
Cleveland Steam Gauge Co., Cleveland, O. *156
Empire Portable Forge Co., Lansingburgh, N. Y.
Fairbanks Co., 311 Broadway, New York.
Foos Mfg. Co., Springfield, O.
W. T. Garratt & Co., San Francisco, Cal.
New Albany Forge & Rolling Mill Co., New Albany, Ind.
Potts & Weber, Lancaster, Pa.
P. H. & F. M. Roots Co., Connersville, Ind.
Star Machine Co., Buffalo, N. Y.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

1613. FORKS.

A. COAL & COKE FORKS.
Ashtabula Tool Co., Ashtabula, O.
Auburn Mfg. Co., Auburn, N. Y.
Geneva Tool Co., Geneva, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Sheble & Klemm, Frankford, Philadelphia, Pa.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

B. OYSTER BED FORKS.
Auburn Mfg. Co., Auburn, N. Y.
Sheble & Klemm, Frankford, Philadelphia, Pa.

C. SLUICE FORKS.
Iowa Farming Tool Co., Fort Madison, Iowa.
Sheble & Klemm, Frankford, Philadelphia, Pa.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

D. STONE FORKS.
Iowa Farming Tool Co., Fort Madison, Iowa.
Sheble & Klemm, Frankford, Philadelphia, Pa.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

1614. FRESH WATER DISTILLING APPARATUS.
M. T. Davidson, 77 Liberty St., New York.

1615. FURNITURE MACHINERY.
Buss Machine Works, Grand Rapids, Mich.
Egan Co., 232 W. Front St., Cincinnati, O. *178
McIvers Bros. Machine Co., Worcester, Mass.
Rowley & Hermance, Williamsport, Pa. *196

1616. GAS MACHINES.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Bradley Gas Light Co., 35 Chicago Av., Chicago, Ill.
Cleveland Gas Machine Co., Cleveland, O.
Detroit Heating & Lighting Co., Detroit, Mich.
W.G. Fisher Cooking & Heating Apparatus Mfg. Co., Cincinnati, O.
Wm. G. Fischer Mfg. Co., 25 W. 5th St., Cincinnati, O.
Gilbert & Barker Mfg. Co., Springfield, Mass.
Alex. Laughlin & Co., Cleveland, O.
Penn Globe Gas Light Co., 22 S. 15th St., Philadelphia, Pa.
Phelps & Dingle, Passaic, N. J.

Oakes Tirrill, 39 Dey St., New York.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

1617. GAS WORKS MACHINERY.

A. GAS EXHAUSTERS.	Connelly Iron Sponge & Governor Co., 111 Broadway, New York.
	P. H. & F. M. Roots Co., Connersville, Ind.
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
	Wilbraham Bros., 2518 Frankford Av., Philadelphia, Pa.
B. GAS GENERATORS	Bartlett, Hayward & Co., Baltimore, Md.
	Gilbert & Barker Mfg. Co., Springfield, Mass.
C. GAS GOVERNORS.	Bartlett, Hayward & Co., Baltimore, Md.
	P. H. & F. M. Roots Co., Connersville, Ind.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
D. GAS HOLDERS.	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
	Davis & Farnum Mfg. Co., Waltham, Mass.
	Jas. R. Floyd & Son, 539 W. 20th St., New York.
	Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
E. GAS INDICATORS.	Helme & McIlhenny, 1339 Cherry St., Philadelphia, Pa.
F. GAS REGULATORS.	Haydenville Mfg. Co., 73 Beekman St., New York.
G. GAS TESTERS.	T. Shaw, 915 Ridge Av., Philadelphia, Pa.
H. GAS WORKS BENCH CASTINGS.	Bartlett, Hayward & Co., Baltimore, Md.
	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
I. GAS WORKS BENCH WORK.	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
J. GAS WORKS CASTINGS.	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	Columbus Mfg. Co., Columbus, O.
	Jas. R. Floyd & Sons, 539 W. 20th St., New York.
	Paxton & Vierling Iron Works, Omaha, Neb.
	Morgan Iron Works, 9th St. & East River, New York.
K. GAS WORKS COAL ELEVATORS.	Bartlett, Hayward & Co., Baltimore, Md.
	Vulcan Iron Works, Wilkes Barre, Pa. *131
L. GAS WORKS CONDENSERS.	Bartlett, Hayward & Co., Baltimore, Md.
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	Jas. R. Floyd & Sons, 539 W. 20th St., New York.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
M. GAS WORKS HYDRAULIC MAINS.	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
N. GAS WORKS MULTI-TUBULARS.	Jas. R. Floyd & Sons, 539 W. 20th St., New York.
O. GAS WORKS PURIFIERS.	Bartlett, Hayward & Co., Baltimore, Md.
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
P. GAS WORKS RETORT LIDS.	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
	Jas. R. Floyd & Sons, 539 W. 20th St., New York.
Q. GAS WORKS SCRUBBERS.	Bartlett, Hayward & Co., Baltimore, Md.
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
	Jas. R. Floyd & Sons, 539 W. 20th St., New York.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
R. GAS WORKS SEALS.	Bartlett, Hayward & Co., Baltimore, Md.
S. GAS WORKS TOOLS.	F. H. Evans, 596 Kent Av., Brooklyn, N. Y.
T. GAS WORKS VALVES.	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
	R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
U. GAS WORKS WASHERS.	Bartlett, Hayward & Co., Baltimore, Md.
	Jas. R. Floyd & Sons, 539 W. 20th St., New York.

1618. GAUGES.

A. AMALGAMATING PAN GAUGES.	Standard Thermometer Co., Peabody, Mass.
B. AMMONIA GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
C. OVEN GAUGES.	Standard Thermometer Co., Peabody, Mass.
D. PROCESS GAUGES.	T. Shaw, 915 Ridge Av., Philadelphia, Pa.
E. PYROMETERS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
	Ashcroft Mfg. Co., 111 Liberty St., New York.
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
	Giuseppe Tagliabue, 302 Pearl St., New York.
	A. Weiskopf, 111 Fifth Av., Chicago, Ill.
	August Zaubitz, 48 Centre St., New York.
F. RESERVOIR GAUGES.	Union Water Meter Co., Worcester, Mass.
G. RETORT GAUGES.	Standard Thermometer Co., Peabody, Mass.
H. TANK GAUGES.	Belknap Mfg. Co., Bridgeport, Conn.
	Standard Thermometer Co., Peabody, Mass.
I. TEST GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
	Ashcroft Mfg. Co., 111 Liberty St., New York.

	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
J. TEST GAUGES, MERCURY.	T. Shaw, 915 Ridge Av., Philadelphia, Pa.
K. THERMOMETER GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
L. TIDE GAUGES.	Standard Thermometer Co., Peabody, Mass.
1619. GAUGES, PRESSURE.	American Meter Co., 177 Elm St., Cincinnati, O.
	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
	Ashcroft Mfg. Co., 111 Liberty St., New York.
	Cleveland Steam Gauge Co., Cleveland, O. *156
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
	Jarvis B. Edson, 87 Liberty St., New York.
	Guiseppe Tagliabue, 302 Pearl St., New York.
	Reliance Gauge Co., Cleveland, O.
	Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.
	Star Brass Mfg. Co., 53 Oliver St., Boston, Mass.
	Stark Machine & Tool Co., Buffalo, N. Y. *248
	B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
A. GAS PRESSURE GAUGES.	American Meter Co., 177 Elm St., Cincinnati, O.
	D. McDonald & Co., Albany, N. Y.
	Nathaniel Tufts, 153 Franklin St., Boston, Mass.
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.
B. HYDRAULIC GAUGES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
	Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.
C. POCKET PRESSURE GAUGES.	American Meter Co., 177 Elm St., Cincinnati, O.
	D. McDonald & Co., Albany, N. Y.
1620. GAUGES, TOOL.	
A. ADJUSTABLE SHRINKAGE GAUGES.	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
B. CALIPER GAUGES.	American Standard Gauge & Tool Works, Wilmington, Del.
	Brown & Sharpe Mfg. Co., Providence, R. I.
	Pratt & Whitney Co., Hartford, Conn.
	Standard Tool Co., Athol, Mass.
C. CARPENTERS' GAUGES.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	Gage Tool Co., Vineland, N. J.
	C. E. Jennings & Co., 81 Reade St., New York.
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.
	Ohio Tool Co., Columbus, O. *207
D. CENTER GAUGES.	Darling, Brown & Sharpe, Providence, R. I.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	Standard Tool Co., Athol, Mass.
	L. S. Starrett, Athol, Mass.
E. CHAMFER GAUGES.	J. H. Hoague, Chicopee, Mass.
F. COMBINED SCREW PITCH & CENTER GAUGES.	Standard Tool Co., Athol, Mass.
	L. S. Starrett, Athol, Mass.
G. CORRECTIVE GAUGES.	American Standard Gauge & Tool Works, Wilmington, Del.
H. DEPTH GAUGES.	Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
	Ellrich Hardware Manufacturing Co., Plantsville, Conn.
	Standard Tool Co., Athol, Mass.
I. DRILL GAUGES.	Morse Twist Drill & Machine Co., New Bedford, Mass. *120
	Standard Tool Co., Cleveland, O.
J. LUMBERMAN'S GAUGES.	Lufkin Rule Co., Cleveland, O.
	N. W. Spaulding Saw Co., 17 Fremont St., San Francisco, Cal.
K. MARKING GAUGES.	Lufkin Rule Co., Cleveland, O.
	Otis A. Smith, Rockfall, Conn.
L. MARKING GAUGES, ROTARY.	Sandusky Tool Co., Sandusky, O. *210
M. MITRE GAUGES.	H. B. Smith Machine Co., Smithville, N. J.
N. MORTISE GAUGES.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	Empire Portable Forge Co., Lansingburgh, N. Y.
O. PAPER GAUGES.	Smith & Egge Mfg. Co., Bridgeport, Conn.
P. PRECISION GAUGES.	Darling, Brown & Sharpe, Providence, R. I.
Q. SAW GAUGES.	E. C. Atkins & Co., Indianapolis, Ind. *198
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	H. B. Smith Machine Co., Smithville, N. J.
	J. E. Whiting, Montrose, Pa.
R. SCRATCH GAUGES.	Gage Tool Co., Vineland, N. J.
	Standard Tool Co., Athol, Mass.
	L. S. Starrett, Athol, Mass.
S. SCREW PITCH GAUGES.	Darling, Brown & Sharpe, Providence, R. I.
	L. S. Starrett, Athol, Mass.
T. SIDING GAUGES.	Gage Tool Co., Vineland, N. J.
U. STANDARD SIZE GAUGES.	E. C. Atkins & Co., Indianapolis, Ind. *198
	Betts Machine Works, Wilmington, Del

Brown & Sharpe Mfg. Co., Providence, R. I.
H. Chapin's Son, Pine Meadows, Conn.
Pratt & Whitney Co., Hartford, Conn.
Stanley Rule & Level Co., New Britain, Conn.

V. SURFACE GAUGES. Billings & Spencer Co., Hartford, Conn. *103
Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.
Standard Tool Co., Athol, Mass.

W. THREAD GAUGES. Brown & Sharpe Mfg. Co., Providence, R. I.
Pratt & Whitney Co., Hartford, Conn.
L. S. Starrett, Athol, Mass.

X. WHEEL GAUGES. Gage Tool Co., Vineland, N. J.

Y. WIRE GAUGES. Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Stark Machine & Tool Co., Buffalo, N. Y. *248

1621. GEAR CALCULATORS. Darling, Brown & Sharpe, Providence, R. I.

1622. GIMLETS. Chester Mfg. Co., Chester, Conn.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Currier Bros., Chesterfield Factory, N. H.
Amos H. & J. S. Deuse, Chester, Conn.
Garrett & Beach, Seymour, Conn.
C. E. Jennings & Co., 81 Reade St., New York.
H. H. Mayhew Co., Shelburne Falls, Mass.
H. M. Norton & Co., Chester, Conn.
Snell Mfg. Co., 72 Reade St., New York.

1623. GLASS WORKS MACHINERY.
Fisher Foundry & Machine Co., Pittsburgh, Pa.
New Albany Rail Mill Co., New Albany, Ind.
Ranken & Fritsch Fdy. & M. Co., 2201 N. Main St., St. Louis, Mo.
St. Louis Iron & Machine Works, 1001 S. Main St., St. Louis, Mo.
Williams Bros., Ithaca, N. Y.

A. MOULDS & PRESSES, GLASSWARE. Herman Behr & Co., 75 Beekman St., New York.
Aries P. Brooke, 86 Fulton St., New York.
Homer Brooke, 44 Barclay St., New York.
New Prague Mfg. Co., New Prague, Minn.
Henry A. Noble, 203 Dock St., Philadelphia, Pa.

B. PLATE GLASS MACHINERY. A. J. Sweeney & Son, Wheeling, W. Va. *61

1624. GLAZIERS' TOOLS.

A. GLASS BOARDS. F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Lufkin Rule Co., Cleveland, O.

B. GLASS CUTTERS. Thos. J. Andress, 821 Cherry St., Philadelphia, Pa.
Millers Falls Co., Millers Falls, Mass.
S. G. Monce, Bristol, Conn.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
F. R. Woodward, Hill, N. H.

C. GLASS CUTTERS, CIRCLE. S. G. Monce, Bristol, Conn.

D. GLAZIERS' DIAMOND POINTS. Austin & Eddy, 117 Broad St., Boston, Mass.

E. GLAZIERS' RULES. Belcher Bros. & Co., Newark, N. J.

1625. GLUING MACHINERY. Egan Co., 232 W. Front St., Cincinnati, O. *178

1626. GRADUATING MACHINES.
Theo. Alteneder & Sons, 355 N. 10th St., Philadelphia, Pa.

1627. GRAIN CLEANING MACHINERY.

A. ASPIRATING SEPARATORS. J. B. Allfree Co., Indianapolis, Ind.
S. Howes, Silver Creek, N. Y.

B. BARLEY CRUSHERS. Benicia Agricultural Works, Benicia, Cal.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind.
John T. Noye Mfg. Co., Buffalo, N. Y.

C. BARLEY GRADERS. S. Howes, Silver Creek, N. Y.

D. BRUSH MACHINES. J. B. Allfree Co., Indianapolis, Ind.
H. M. Deal & Co., Bucyrus, O. *160
S. Howes, Silver Creek, N. Y.
Richmond Mfg. Co., Lockport, N. Y.
Thompson & Campbell. 1022 Germantown Av., Philadelphia, Pa.

E. BUCKWHEAT REFINER SEPARATORS. H. M. Deal & Co., Bucyrus, O. *160

F. BUCKWHEAT SCOURERS. S. Howes, Silver Creek, N. Y.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

G. CLOSE SCOURERS. H. M. Deal & Co., Bucyrus, O. *160
S. Howes, Silver Creek, N. Y.

H. COMBINED BRUSH MACHINES & SEPARATORS. Barnard & Leas Mfg. Co., Moline, Ill.
H. M. Deal & Co., Bucyrus, O. *160

I. COMBINED SMUT & BRUSH MACHINES. Barnard & Leas Mfg. Co., Moline, Ill.
H. M. Deal & Co., Bucyrus, O. *160
S. Howes, Silver Creek, N. Y.

	Johnson & Field, Racine, Wis.	
J. COMBINED SCOURING, POLISHING & SEPARATING MACHINES.	J. B. Allfree Co., Indianapolis, Ind.	
	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
	Stockton Combined Harvester & Agric. Works, Stockton, Cal.	
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.	
K. COMBINED SMUTTERS & SEPARATORS.	J. B. Allfree Co., Indianapolis, Ind.	
	Barnard & Leas Mfg. Co., Moline, Ill.	
	H. M. Deal & Co., Bucyrus, O.	*160
L. CORN CLEANERS.	J. B. Allfree Co., Indianapolis, Ind.	
	Case Mfg. Co., Columbus, O.	
	H. M. Deal & Co., Bucyrus, O.	*160
	John T. Noye Mfg. Co., Buffalo, N. Y.	
	Vortex Dust Collector Co., Milwaukee, Wis.	
M. CORN HULLER & PEARLER.	J. B. Allfree Co., Indianapolis, Ind.	
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind.	*208
N. CORN SCOURERS.	J. B. Allfree Co., Indianapolis, Ind.	
	H. M. Deal & Co., Bucyrus, O.	*160
	Hercules Mfg. Co., Cardington, O.	
O. DOUBLE RECEIVING SEPARATORS.	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
P. DUSTLESS SEPARATORS.	Barnard & Leas Mfg. Co., Moline, Ill.	
	Dakota Mfg. Co., Scotland, Dak.	
	H. M. Deal & Co., Bucyrus, O.	*160
	A. P. Dickey Mfg. Co., Racine, Wis.	
	Johnson & Field Co., Racine, Wis.	
	E. H. Pease Mfg. Co., Racine, Wis.	
Q. ELEVATOR SEPARATORS.	Barnard & Leas Mfg. Co., Moline, Ill.	
	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
R. GRAVITY SEPARATORS.	J. B. Allfree Co., Indianapolis, Ind.	
	John T. Noye Mfg. Co., Buffalo, N. Y.	
S. HOMINY SEPARATORS.	J. B. Allfree Co., Indianapolis, Ind.	
	Nordyke & Marmon Co , 1007 Morris St., Indianapolis, Ind.	*208
T. HULLED OAT SEPARATORS.	S. Howes, Silver Creek, N. Y.	
U. MAGNETIC SEPARATORS.	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
V. OAT CLIPPERS.	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
W. ROLLING SCREENS.	Edward P. Allis, Milwaukee, Wis.	
	H. M. Deal & Co., Bucyrus, O.	*160
	John T. Noye Mfg. Co., Buffalo, N. Y.	
X. SCREENING SEPARATORS.	Barnard & Leas Mfg. Co., Moline, Ill.	
	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
Y. SINGLE RECEIVING SEPARATORS.	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
Z. SMUT MACHINES.	Barnard & Leas Mfg. Co., Moline, Ill.	
	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
	Thompson & Campbell, 1022 Germantown Av., Phila., Pa.	
AA. WAREHOUSE SEPARATORS.	H. M. Deal & Co., Bucyrus, O.	*160
	S. Howes, Silver Creek, N. Y.	
BB. WHEAT POLISHING MACHINERY.	J. B. Allfree Co., Indianapolis, Ind.	
	Hoyt & Wyncoop, Troy, N. Y.	
	Munson Bros., Utica, N. Y.	
	E. H. Pease Mfg. Co., Racine, Wis.	
CC. WHEAT SCOURERS.	J. B. Allfree Co., Indianapolis, Ind.	
	Barnard & Leas Mfg. Co., Moline, Ill.	
	Cockle Separator Mfg. Co., Milwaukee, Wis.	
	H. M. Deal & Co., Bucyrus, O.	*160
	Hercules Mfg. Co., Cardington, O.	
	S. Howes, Silver Creek, N. Y.	
	Link-Belt Engineering Co., Nicetown, Pa.	
	Novelty Iron Works, Dubuque, Iowa.	
DD. WHEAT SEPARATORS.	J. B. Allfree Co., Indianapolis, Ind.	
	Barnard & Leas Mfg. Co., Moline, Ill.	
	Cockle Separator Mfg. Co., Milwaukee, Wis.	
	H. M. Deal & Co., Bucyrus, O.	*160
	Union Iron Works, Decatur, Ill.	

1628. GRAIN MILLING MACHINERY.

A. ASPIRATORS.	J. B. Allfree Co., Indianapolis, Ind.	
	Edward P. Allis, Milwaukee, Wis.	
	Barnard & Leas Mfg. Co., Moline, Ill.	
	Codman & Shurtleff, 13 Tremont St., Boston, Mass.	
	J. B. Ehrsam Machine Co., Enterprise, Kan.	

	Griscom & Co. & McFeely, 1331 Noble St., Philadelphia, Pa.
	Knickerbocker Co., Jackson, Mich.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Thompson & Campbell, 1022 Germantown Av., Phila., Pa.
B. ASPIRATORS, DOUBLE.	Willford & Northway Mfg. Co., Minneapolis, Minn.
C. AUTOMATIC SHAKE FEEDS.	J. B. Alfree Co., Indianapolis, Ind.
	Barnard & Leas Mfg. Co., Moline, Ill.
D. BOLTING CHESTS.	J. B. Alfree Co., Indianapolis, Ind.
	Case Mfg. Co., Columbus, O.
	J. B. Ehrsam Machine Co., Enterprise, Kan.
	Leonard D. Harrison, New Haven, Conn.
	Jeffrey Mfg. Co., Columbus, O.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Thompson & Campbell, 1022 Germantown Av., Phila., Pa.
E. BRAN DUSTERS.	J. B. Allfree Co., Indianapolis, Ind.
	Edward P. Allis, Milwaukee, Wis.
	Barnard & Leas Mfg. Co., Moline, Ill.
	Case Mfg. Co., Columbus, O.
	Aug. Heine, Silver Creek, N. Y.
	Knickerbocker Co., Jackson, Mich.
	Richmond Mfg. Co., Lockport, N. Y.
	Thompson & Campbell. 1022 Germantown Av., Philadelphia, Pa.
F. BRAN PACKERS.	J. B. Allfree Co., Indianapolis, Ind.
	Barnard & Leas Mfg. Co., Moline, Ill.
	S. Howes, Silver Creek, N. Y.
G. BUCKWHEAT BOLTS.	J. B. Allfree Co., Indianapolis, Ind.
	John T. Noye Mfg. Co., Buffalo, N. Y.
H. BUCKWHEAT HULLERS.	J. B. Allfree Co., Indianapolis, Ind.
	John T. Noye Mfg. Co., Buffalo, N. Y.
I. BUCKWHEAT MACHINERY.	J. B. Allfree Co., Indianapolis, Ind.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
J. BUCKWHEAT MILLS.	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
K. BUCKWHEAT ROLLER MILLS.	J. B. Allfree Co., Indianapolis, Ind.
	Case Mfg. Co., Columbus, O.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
L. CENTRIFUGAL REELS.	J. B. Allfree Co., Indianapolis, Ind.
	Edward P. Allis, Milwaukee, Wis.
	Barnard & Leas Mfg. Co., Moline, Ill.
	Case Mfg. Co., Columbus, O.
	Aug. Heine, Silver Creek, N. Y.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
	Willford & Northway Mfg. Co., Minneapolis, Minn.
	Ypsilanti Machine Works, Ypsilanti, Mich.
M. COMBINED ASPIRATORS & CRUSHERS.	Barnard & Leas Mfg. Co., Moline, Ill.
N. COMBINED BREAK MACHINES & SCALPERS.	Case Mfg. Co., Columbus, O.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
O. COMBINED MACH. ROLLS & FLOUR DRESSERS.	Willford & Northway Mfg. Co., Minneapolis, Minn.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
P. CORN CRUSHERS.	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
Q. CORN MEAL ASPIRATORS & PURIFIERS.	J. B. Allfree Co., Indianapolis, Ind.
	Case Mfg. Co., Columbus, O.
	John T. Noye Mfg. Co., Buffalo, N. Y.
R. CORN MEAL BOLTS.	J. B. Allfree Co., Indianapolis, Ind.
	Foos Mfg. Co., Springfield, O.
	Leonard D. Harrison, New Haven, Conn.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
S. CORN MEAL MILLS.	J. B. Allfree Co., Indianapolis, Ind.
	Ames Plow Co., Quincy Hall, Boston, Mass.
	Samuel Carey, 17 Broadway, New York. *255
	De Loach Mill Mfg. Co., Atlanta, Ga.
	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa
	Eureka Bark Mill Co., Lancaster, Pa.
	A. B. Farquhar & Co., York, Pa.
	Foos Mfg. Co., Springfield, O.
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
	Lane & Bodley Co., John & Water Sts., Cincinnati, O.

Logan & Strowbridge Iron Co., New Brighton, Pa.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind.* 208
John T. Noye Mfg. Co., Buffalo, N. Y.
Richmond City Mill Works, Richmond, Ind.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.

T. CORN MEAL PURIFIERS.
J. B. Allfree Co., Indianapolis, Ind.
Case Mfg. Co., Columbus, O.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.

U. CORN ROLLER MILLS.
J. B. Allfree Co., Indianapolis, Ind.
Samuel Carey, 17 Broadway, New York. *255
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

V. CYLINDRICAL FLOUR REELS.
J. B. Allfree Co., Indianapolis, Ind.
Jeffrey Mfg. Co., Columbus, O.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

W. DUST COLLECTORS.
Knickerbocker Co., Jackson, Mich.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Vortex Dust Collector Co., Milwaukee, Wis.

X. ELEVATOR SCALPERS.
Aug. Heine, Silver Creek, N. Y.
John T. Noye Mfg. Co., Buffalo, N. Y.

Y. FEED ROLLER MILLS.
J. B. Allfree Co., Indianapolis, Ind.
Case Mfg. Co., Columbus, O.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.

Z. FLOUR BOLTS.
J. B. Allfree Co., Indianapolis, Ind.
Edward P. Allis, Milwaukee, Wis.
Bradford Mill Co., Evans & 8th Sts., Cincinnati, O.
Samuel Carey, 17 Broadway, New York. *255
Flenniken Turbine Co., Dubuque, Iowa.
Aug. Heine, Silver Creek, N. Y.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind.*208
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

AA. FLOUR DRESSERS.
J. B. Allfree Co., Indianapolis, Ind.
Edward P. Allis, Milwaukee, Wis.
Case Mfg. Co., Columbus, O.
Cockle Separator Mfg. Co., Milwaukee, Wis.
J. B. Ehrsam Machine Co., Enterprise, Kan.
Great Western Mfg. Co., Leavenworth, Kan.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Ypsilanti Machine Works, Ypsilanti, Mich.

BB. FLOUR MILL ELEVATORS.
J. B. Allfree Co., Indianapolis, Ind.
Novelty Iron Works, Dubuque, Iowa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.

CC. FLOUR MILL MACHINERY.
J. B. Allfree Co., Indianapolis, Ind.
Edward P. Allis, Milwaukee, Wis.
Case Mfg. Co., Columbus, O.
De Loach Mill Mfg. Co., Atlanta, Ga.
Filer & Stowell Co., Milwaukee, Wis.
Fulton Iron Works, San Francisco, Cal.
Great Western Mfg. Co., Leavenworth, Kan.
Griscom & Co. & McFeeley, 1331 Noble St., Philadelphia, Pa.
Leonard D. Harrison, New Haven, Conn.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.
Mansfield Machine Works, Mansfield, O.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
Novelty Iron Works, Dubuque, Iowa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Robt. Poole & Son Co., Baltimore, Md. *132
Richmond City Mill Works, Richmond, Ind.
Rome Foundry & Machine Works, Rome, Ga.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.
Todds & Stanley Furnish. Mill Co., 917 N. 2d St., St. Louis, Mo.

	Willford & Northway Mfg. Co., Minneapolis, Minn.
DD. FLOUR MIXERS & FEEDERS.	John T. Noye Mfg. Co., Buffalo, N. Y.
EE. FLOUR PACKERS.	J. B. Allfree Co., Indianapolis, Ind.
	Barnard & Leas Mfg. Co., Moline, Ill.
	Case Mfg. Co., Columbus, O.
	S. Howes, Silver Creek, N. Y.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Richmond City Mill Works, Richmond, Ind.
FF. HOMINY MILLS.	J. B. Allfree Co., Indianapolis Ind.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
GG. MIDDLINGS PURIFIERS.	J. B. Allfree Co., Indianapolis, Ind.
	Edward P. Allis, Milwaukee, Wis.
	Barnard & Leas Mfg. Co., Moline, Ill.
	Case Mfg. Co., Columbus, O.
	Flenniken Turbine Co., Dubuque, Iowa.
	Griscom & Co. & McFeeley, 1331 Noble St., Philadelphia, Pa.
	Leonard D. Harrison, New Haven, Conn.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Superlative Purifier Mfg. Co., Milwaukee, Wis.
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
	Willford & Northway Mfg. Co., Minneapolis, Minn.
HH. OAT MEAL MACHINERY.	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Webster, Camp & Lane Machine Co., Akron, O.
II. PEARL BARLEY MILLS.	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
JJ. REEL GRADERS & PURIFIERS.	Willford & Northway Mfg. Co., Minneapolis, Minn.
KK. ROLLER MILLS.	J. B. Allfree Co., Indianapolis, Ind.
	Edward P. Allis, Milwaukee, Wis.
	Barnard & Leas Mfg. Co., Moline, Ill.
	Case Mfg. Co., Columbus, O.
	J. B. Ehrsam Machine Co., Enterprise, Kan.
	Flenniken Turbine Co., Dubuque, Iowa.
	Geo. Fritz, 2008 S. 3d St., St. Louis, Mo.
	Griscom & Co. & McFeeley, 1331 Noble St., Philadelphia, Pa.
	John James & Co., La Crosse, Wis.
	Munson Bros., Utica, N. Y.
	Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Richmond City Mill Works, Richmond, Ind.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
	Variety Iron Works, York, Pa.
	Willford & Northway Mfg. Co., Minneapolis, Minn.
	A. N. Wolf, Allentown, Pa.
	Ypsilanti Machine Works, Ypsilanti, Mich.
LL. ROUND REELS.	J. B. Allfree Co., Indianapolis, Ind.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Willford & Northway Mfg. Co., Minneapolis, Minn.
	Ypsilanti Machine Works, Ypsilanti, Mich.
MM. RYE BOLTS.	J. B. Allfree Co., Indianapolis, Ind.
NN. SCALPERS.	J. B. Allfree Co., Indianapolis, Ind.
	Edward P. Allis, Milwaukee, Wis.
	Barnard & Leas Mfg. Co., Moline, Ill.
	J. B. Ehrsam Machine Co., Enterprise, Kan.
	John T. Noye Mfg. Co., Buffalo, N. Y.
	Stilwell & Bierce Mfg. Co., Dayton, O. *163
	Superlative Purifier Mfg. Co., Milwaukee, Wis.
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
	Willford & Northway Mfg. Co., Minneapolis, Minn.
OO. WHEAT HEATERS.	J. B. Allfree Co., Indianapolis, Ind.
	Barnard & Leas Mfg. Co., Moline, Ill.
	Victor Heater Co., Minneapolis, Minn.

1629. GRINDING MACHINERY.

A. CORUNDUM.	Grant Corundum Wheel Mfg. Co., Springfield, Mass.
	Hampden Corundum Wheel Co., Brightwood, Mass. *240
	Hampden Emery & Corundum Co., Chester, Mass.
	Standard Emery Wheel Co., Albany, N. Y.
	Sterling Emery Wheel Co., 174 Fulton St., New York.
B. CORUNDUM WHEELS.	Detroit Emery Wheel Co., Detroit, Mich.

	Grant Corundum Wheel Mfg. Co., Springfield, Mass.	
	Hampden Corundum Wheel Co., Brightwood, Mass.	*240
	Lehigh Valley Emery Wheel Co., Lehighton, Pa.	
	Northampton Emery Wheel Co., Leeds, Mass.	*132
	Norton Emery Wheel Co., Worcester, Mass.	*162
	Standard Emery Wheel Co , Albany, N. Y.	
	Sterling Emery Wheel Co., 174 Fulton St., New York.	
	Tingue, House & Co., 56 Reade St., New York.	*98
	Waltham Emery Wheel Co., Waltham, Mass.	
	S. S. White Dental Mfg. Co., Chestnut & S. 12th St., Phila., Pa.	
C. EMERY GRINDERS.	E. C. Atkins & Co., Indianapolis, Ind.	*198
	W. F. & John Barnes Co., Rockford, Ill.	
	Blake & Johnson, Waterbury, Conn.	
	Brady Mfg. Co., York & Washington Sts., Brooklyn, N. Y.	
	Capital City Machine Works, Columbus, O.	
	Cordesman, Meyer & Co., 170 W. 2d St., Cincinnati, O.	
	Defiance Machine Works, Defiance, O.	
	Diamond Machine Co., Providence, R. I.	
	Gould & Eberhardt, Newark, N. J.	
	Lehigh Valley Emery Wheel Co., Leighton, Pa.	
	J. Maslin & Son, Jersey City, N. J.	
	Norton Emery Wheel Co., Worcester, Mass.	*162
	C. O. & A. D. Porter, Grand Rapids, Mich.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Rowley & Hermance, Williamsport, Pa.	*196
	Springfield Emery Wheel Mfg. Co., Bridgeport, Conn.	
	Standard Emery Wheel Co., Albany, N. Y.	
	Sterling Emery Wheel Co., 174 Fulton St., New York.	
	Tanite Co., Stroudsburg, Pa.	
	F. B. Wiggins & Co., E. Saginaw, Mich.	
	D. W. Williamson & Co., Indianapolis, Ind.	
D. EMERY GRINDER STANDS.	Diamond Machine Co., Providence, R. I.	
	Page Belting Co., Concord, N. H.	
	J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.	
	H. B. Smith Machine Co., Smithville, N. J.	
	Standard Emery Wheel Co., Albany, N. Y.	
E. EMERY PLANERS.	Diamond Machine Co., Providence, R. I.	
	Standard Emery Wheel Co., Albany, N. Y.	
	Tanite Co., Stroudsburg, Pa.	
F. EMERY SURFACERS.	Diamond Machine Co., Providence, R. I.	
	Tanite Co., Stroudsburg, Pa.	
G. EMERY WHEELS.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	Covel Mfg. Co., 8 S. Canal St., Chicago, Ill.	
	Detroit Emery Wheel Co., Detroit, Mich.	
	Diamond Machine Co., Providence, R. I.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Hampden Corundum Wheel Co., Brightwood, Mass.	*240
	Hampden Emery & Corundum Co., Chester, Mass.	
	Andrew L. Hull, Bridgeport, Conn.	
	Lehigh Valley Emery Wheel Co., Lehighton, Pa.	
	New York Belting & Packing Co., 15 Park Row, New York.	
	Northampton Emery Wheel Co., Leeds, Mass.	*132
	Norton Emery Wheel Co., Worcester, Mass.	*162
	Standard Emery Wheel Co., Albany, N. Y.	
	Sterling Emery Wheel Co., W. Sterling, Mass.	
	Tanite Co., Stroudsburg, Pa.	
	Waltham Emery Wheel Co., Waltham, Mass.	
H. EMERY WHEELS, HOUSEHOLD.	Diamond Machine Co., Providence, R. I.	
I. EMERY WHEEL DRESSERS.	Chicago Screw Co., 96 W. Washington St., Chicago, Ill.	
	Norton Emery Wheel Co., Worcester, Mass.	*162
	Standard Emery Wheel Co., Albany, N. Y.	
	Sterling Emery Wheel Co., 174 Fulton St., New York.	
J. EMERY WHEEL MACHINERY.	Diamond Machine Co., Providence, R. I.	
	S. C. Forsaith Machine Co., Manchester, N. H.	
	Northampton Emery Wheel Co., Leeds, Mass.	*132
	Norton Emery Wheel Co., Worcester, Mass.	*162
	Palmer Hardware Mfg. Co., Troy, N. Y.	
	Standard Emery Wheel Co., Albany, N. Y.	
K. GRINDERS, CALENDER ROLL.	Malone Foundry & Machine Co., Malone, N. Y.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
L. GRINDERS, CAR BOX.	Diamond Machine Co., Providence, R. I.	
	Tanite Co., Stroudsburg, Pa.	
M. GRINDERS, CAR WHEEL.	Allentown Rolling Mills, Allentown, Pa.	
N. GRINDERS, CENTRE.	Dwight Slate Machine Co., Hartford, Conn.	
	Stow Mfg. Co., Binghamton, N. Y.	

O.	GRINDERS, COCK.	Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cincin., O.	
		Warner & Swasey, Cleveland, O.	
P.	GRINDERS, COMBINATION.	Dwight Slate Machine Co., Hartford, Conn.	
Q.	GRINDERS, CORNISH ROLL.	Birmingham Iron Foundry, Birmingham, Conn.	
		Tanite Co., Stroudsburg, Pa.	
R.	GRINDERS, CUTTER.	Cincinnati Milling Machine Co., 2d & Plum Sts., Cincinnati, O.	
		Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
		Garvin Machine Co., 9 Laight St., New York.	
		Pratt & Whitney Co., Hartford, Conn.	
		Putnam Machine Co., Fitchburg, Mass.	
		Dwight Slate Machine Co., Hartford, Conn.	
		Wells Bros. & Co., Greenfield, Mass.	
S.	GRINDERS, DIE.	Garvin Machine Co., 9 Laight St., New York.	
		Stow Mfg. Co., Binghamton, N. Y.	*240
T.	GRINDERS, KNIFE.	Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.	
		Buss Machine Works, Grand Rapids, Mich.	
		Diamond Machine Co, Providence, R. I.	
		Egan Co., 232 W. Front St., Cincinnati, O.	*178
		W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
		J. H. Miner, Baton Rouge, La.	
		L. Power & Co., 20 S. 23d St., Philadelphia, Pa.	
		Wm. S. Powers & Son, Grand Rapids, Mich.	
		Preble Machine Works, 38 W. Monroe St., Chicago, Ill.	
		C. B. Rogers & Co., Norwich, Conn.	*154
		Rowley & Hermance, Williamsport, Pa.	*196
		H. B. Smith Machine Co., Smithville, N. J.	
		Tanite Co., Stroudsburg, Pa.	
		D. W. Williamson & Co., Indianapolis, Ind.	
U.	GRINDERS, MILL PICK.	Diamond Machine Co., Providence, R. I.	
		Dwight Slate Machine Co., Hartford, Conn.	
V.	GRINDERS, REAMER.	Dwight Slate Machine Co., Hartford, Conn.	
W.	GRINDERS, ROLL.	Birmingham Iron Foundry, Birmingham, Conn.	
		Lobdell Car Wheel Co., Wilmington, Del.	
X.	GRINDERS, SHEAR.	Curtis & Marble, Worcester, Mass.	
		Parks & Woolson Machine Co., Springfield, Vt.	
		B. S. Roy, Worcester, Mass.	
Y.	GRINDERS, SLITTER.	Putnam Machine Co., Fitchburg, Mass.	
Z.	GRINDERS, SWING FRAME.	Watson & Stillman, 204 E. 43d St., New York.	
AA.	GRINDERS, TOOL.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
		Cincinnati Milling Machine Co., 2d & Plum Sts., Cincinnati, O.	
		Cordesman Machine Co., 27 Butler St., Cincinnati, O.	
		Diamond Machine Co., Providence, R. I.	
		S. C. Forsaith Machine Co., Manchester, N. H.	
		Gould & Eberhardt, Newark, N. J.	
		Grant Corundum Wheel Mfg. Co., Springfield, Mass.	
		Northampton Emery Wheel Co., Leeds, Mass.	*132
		Norton Emery Wheel Co., Worcester, Mass.	*162
		Sterling Emery Wheel Co., 174 Fulton St., New York.	
		Stiles & Parker Press Co., Middletown, Conn.	
		Wells Bros. & Co., Springfield, Mass.	
		D. W. Williamson & Co., Indianapolis, Ind.	
BB.	GRINDERS, TWIST DRILL.	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
		Norton Emery Wheel Co., Worcester, Mass.	*162
		Pratt & Whitney Co., Hartford, Conn.	
		Standard Tool Co., Cleveland, O.	
CC.	GRINDERS, WATER.	Norton Emery Wheel Co., Worcester, Mass.	*162
DD.	GRINDSTONES.	Cleveland Stone Co., Cleveland, O.	
		S. Obermayer F. S. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
		Walter R. Wood, 285 Front St., New York.	
EE.	GRINDSTONE BOXES.	Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.	
		San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.	
		H. B. Smith Machine Co., Smithville, N. J.	
FF.	GRINDSTONE FIXTURES.	Cleveland Stone Co., Cleveland, O.	
		James L. Haven Co., 56 Plum St., Cincinnati, O.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Penn Hardware Co., Reading, Pa.	
GG.	GRINDSTONE FRAMES.	American Tool & Machine Co., 84 Kingston St., Boston, Mass.	
		Athol Machine Co., Athol, Mass.	
		Cleveland Stone Co., Cleveland, O.	
		Dickson Mfg. Co., Scranton, Pa.	
		McIvers Bros. Machine Co., Worcester, Mass.	
		Putnam Machine Co., Fitchburg, Mass.	
HH.	GRINDSTONES, MOUNTED.	Atlantic Stone Co., 474 Atlantic Av., Boston, Mass.	
		Cleveland Stone Co., Cleveland, O.	
II.	GRINDSTONE TROUGHS.	Brown & Sharpe Mfg. Co., Providence, R. I.	
JJ.	GRINDSTONE TURNERS.	Brown & Sharpe Mfg. Co., Providence, R. I.	

Pond's Machine Manufacturers Tool Co., Plainfield, N. J.

1630. GRINDING MILLS.

A. BONE MILLS.
Bradley Fertilizer Co., 27 Kilby St , Boston, Mass.
Cyclone Pulverizer Co., 15 State St., New York.
Enterprise Mfg. Co., of Pa., 3d & Dauphin Sts., Philadelphia, Pa.
John T. Noye Mfg. Co., Buffalo, N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn. N. Y.
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
Wilson Bros., Easton, Pa.

B. CEMENT MILLS.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Samuel Carey, 17 Broadway, New York. *255
Cyclone Pulverizer Co., 15 State St., New York.
W. F. Mosser, Allentown, Pa.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.

C. CHASER MILLS.
Samuel Carey, 17 Broadway, New York. *255
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. CORK GRINDERS.
Chas. Ross & Son, 14 Steuben St., Brooklyn. N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn. N. Y.

E. DRUG & SPICE MILLS.
Ames Plow Co., Quincy Hall, Boston, Mass.
John Blessing, Wilkes Barre, Pa.
Gus. V. Brecht Butchers Supply Co., 201 Cass Av., St. Louis, Mo.
Samuel Carey, 17 Broadway, New York. *255
Cyclone Pulverizer Co., 15 State St., New York.
Enterprise Mfg. Co. of Pa., 3d & Dauphin Sts., Philadelphia, Pa.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Landers, Frary & Clark, New Britain, Conn.
Lane Bros., Poughkeepsie, N. Y.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
C. C. Phillips, 20 S. Broad St., Philadelphia, Pa.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
Warner Mfg. Co., Freeport, Ill.

F. FIRE BRICK MILLS.
Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Cyclone Pulverizer Co., 15 State St., New York.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.

G. GLUE BREAKERS.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

H. GREASE MILLS.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

I. INDIGO GRINDERS.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Cleveland Machine Works, Worcester, Mass.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.

J. INK MILLS.
Black & Clawson Co., Hamilton, O. *200–3
Samuel Carey, 17 Broadway, New York. *255
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Tapley Machine Co., 220 Devonshire St., Boston, Mass.

K. INK MILL ROLLS.
Lobdell Car Wheel Co., Wilmington, Del.

L. LIME CRACKERS.
John T. Noye Mfg. Co., Buffalo, N. Y.
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.

M. MINERAL MILLS.
Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Cyclone Pulverizer Co., 15 State St., New York.
John T. Noye Mfg. Co., Buffalo, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163

N. MIXING MACHINES.
Crandall & Godley, 157 Franklin St., New York.
John T. Noye Mfg. Co., Buffalo, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

O. MUSTARD MILLS.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.

P. OIL CAKE GRINDERS.
L. J. Miller, 166 Harrison Av., Cincinnati, O.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Sioux City Linseed Oil Works, Sioux City, Iowa.

Q. OIL MILLS.
G. H. Bushnell Co., Thompsonville, Conn.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Smith & Vaile Co., Dayton, O.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.

R. PAINT & COLOR MILLS.
Allentown Foundry & Machine Co., Allentown, Pa. *128
B. B. Beardsley, Waterville, N. Y.
J. A. Berrill's Sons, Waterville, N. Y.
Black & Clawson Co., Hamilton, O. *200–3

Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Samuel Carey, 17 Broadway, New York. *255
Cyclone Pulverizer Co., 15 State St., New York.
Leonard D. Harrison, New Haven, Conn.
T. B. Mallory, Flemington, N. J.
W. F. Mosser, Allentown, Pa.
Munson Bros., Utica, N. Y.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
C. C. Phillips, 20 S. Broad St., Philadelphia, Pa.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

S. PAINT MIXERS.
Robt. Poole & Son Co., Baltimore, Md. *132

T. PHOSPHATE BREAKERS.
Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Dickson Mfg. Co., Scranton, Pa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Stilwell & Bierce Mfg. Co., Dayton, O. *163
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.
Valk & Murdock Iron Works, Charleston, S. C.
Vulcan Iron Works, Wilkes Barre, Pa. *131

U. PLASTER CRUSHERS.
Butterworth & Lowe, Grand Rapids, Mich.
John T. Noye Mfg. Co., Buffalo, N. Y.
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.

V. PULVERIZERS.
Cyclone Pulverizer Co., 15 State St., New York.
C. C. Phillips, 20 S. Broad St., Philadelphia, Pa.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
Sturtevant Mill Co., 70 Kilby St., Boston, Mass.
Valk & Murdock Iron Works, Charleston, S. C.

W. SALT MILLS.
Samuel Carey, 17 Broadway, New York. *255
John T. Noye Mfg. Co., Buffalo, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

X. STARCH MILLS.
Munson Bros., Utica, N. Y.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.

1631. GRIST MILL MACHINERY.

A. BUHR STONE MILLS.
Samuel Carey, 17 Broadway, New York. *255
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Richmond City Mill Works, Richmond, Ind.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

B. COB CRUSHERS & GRINDERS.
Munson Bros., Utica, N. Y.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Stover Mfg. Co., Freeport, Ill.

C. FAMILY GRIST MILLS.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

D. GRIST MILLS.
Christian Abele, 253 W. 27th St., New York.
Althouse-Wheeler Co., Waupun, Wis.
Ames Plow Co., Quincy Hall, Boston, Mass.
Aultman & Taylor Co., Mansfield, O.
Baker Mfg. Co., Evansville, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
W. G. & W. Barnes, Freeport, Ill.
Benicia Agricultural Works, Benicia, Cal.
Bradford Mill Co., Evans & 8th Sts., Cincinnati, O.
Samuel Carey, 17 Broadway, New York. *255
Case Wheel & Mill Co., Bristol, Conn.
R. K. Chatham & Co., Bryan, Tex.
R. D. Cole Mfg. Co., Newnan, Ga.
G. D. Colton & Co., Galesburg, Ill.
Cutler & Co., N. Wilbraham, Mass.
J. B. Ehrsam Machine Co., Enterprise, Kan.
Abram Ellwood, Sycamore, Ill.
Enterprise Mfg. Co., Columbiana, O.
A. B. Farquhar & Co., York, Pa.
Foos Mfg. Co., Springfield, O.
Frost Mfg. Co., Galesburg, Ill.
Goodhue Wind Engine Co., St. Charles, Ill.
Groton Bridge & Mfg. Co., Groton, N. Y.
Hocking Valley Mfg. Co., Lancaster, O.

R. R. Howell & Co., Minneapolis, Minn.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Kohler, Hayssen & Stehn Mfg. Co., Sheboygan, Wis.
Lane Bros., Poughkeepsie, N. Y.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Livermore Foundry & Machine Co., Memphis, Tenn.
Logan & Strowbridge Iron Co., New Brighton, Pa.
Geo. R. Lombard & Co., Augusta, Ga.
J. H. McLain Machine Co., Canton, O. *115
Marseilles Mfg. Co., Marseilles, Ill.
S. S. Messinger & Son, Tatamy, Pa.
Munson Bros., Utica, N. Y.
Newell Universal Mill Co., 136 Liberty St., New York.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
E. H. Pease Mfg. Co., Racine, Wis.
C. C. Phillips, 20 S. Broad St., Philadelphia, Pa.
Phœnix Iron Works Co., N. St. Paul, Minn.
Richmond City Mill Works, Richmond, Ind.
Robinson & Co., Richmond, Ind.
Sandwich Enterprise Co., Sandwich, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Sinker-Davis Co., Indianapolis, Ind.
Smalley Mfg. Co., Manitowoc, Wis.
Springfield Machine Co., Springfield, O.
St. Joseph Mfg. Co., Mishawaka, Ind.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.
A. W. Stevens & Son, Auburn, N. Y.
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valk & Murdock Iron Works, Charleston, S. C.
West Point Foundry & Machine Works, West Point, Ga.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Wilson Bros., Easton, Pa.
Winchester & Partridge Mfg. Co., Whitewater, Wis.

E. PLANTATION MILLS.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.

F. PORTABLE MILLS.
Birdsall Co., Auburn, N. Y.
Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
Samuel Carey, 17 Broadway, New York. *255
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
A. W. Stevens & Son, Auburn, N. Y.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.

G. RYE MILLS.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

H. TORTILLA MILLS.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

I. UNDER RUNNER MILLS.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

J. UNIVERSAL MILLS.
Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Newell Universal Mill Co., 136 Liberty St., New York.
John T. Noye Mfg. Co., Buffalo, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

K. UNIVERSAL ECCENTRIC GRINDING MILLS.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.

L. UPPER RUNNER MILLS.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

M. WINDMILL GRIST MILLS.
Appleton Mfg. Co., Appleton, Wis.,
Challenge Windmill & Feed Mill Co., Batavia, Ill.
Duplex Windmill Co., Brooklyn, Wis.
Eclipse Wind Engine Co., Beloit, Wis.
Elgin Wind Power & Pump Co., Elgin, Ill.
Perkins Windmill & Axe Co., Mishawaka, Ind.
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
E. B. Winger, Freeport, Ill.

1632. GRIST MILL TOOLS.

A. MILL PICKS.
W. H. Anderson & Son, Detroit, Mich.
Atha Tool Co., Newark, N. J. *82
Samuel Carey, 17 Broadway, New York. *255
C. Hammond & Son, Ogontz, Pa.
Leonard D. Harrison, New Haven, Conn.
H. H. Harvey, 116 High St., Boston, Mass.
John C. Higgins & Son, 165 W. Kinzie St., Chicago, Ill.

Iron City Tool Works, Ltd., Pittsburgh, Pa.
Munson Bros., Utica, N. Y.
John T. Noye Mfg. Co., Buffalo, N. Y.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

B. PROOF STAFFS.
John T. Noye Mfg. Co., Buffalo, N. Y.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.

1633. GUNPOWDER MACHINERY.

Allentown Foundry & Machine Co., Allentown, Pa. *128
Vulcan Iron Works, Wilkes Barre, Pa. *131

1634. HACK SAW FRAMES.

Keene Mfg. Co., Marlboro, N. H.

1635. HAMMERS.

W. H. Anderson & Son, Detroit, Mich.
Atha Tool Co., Newark, N. J. *82
Badger Bros., W. Quincy, Mass.
Belden Machine Co., New Haven, Conn.
Buffalo Hammer Co., Buffalo, N. Y.
Henry Cheney Hammer Co., Little Falls, N. Y.
Collins Co., Collinsville, Conn.
C. A. De Hart & Son, Newark, N. J.
Detroit Steel & Spring Co., Detroit, Mich.
Diamond Wrench & Tool Co., Portland, Me.
Dickson Mfg. Co., Scranton, Pa.
Abner Doble Co., San Francisco, Cal.
C. Drew & Co., Kingston, Mass.
Freeport Hardware Mfg. Co., Freeport, Ill.
C. Hammond & Son, Ogontz, Pa.
Hartford Hammer Co., Hartford, Conn.
H. H. Harvey, 116 High St., Boston, Mass.
A. & C. W. Holbrook, Providence, R. I.
Humason & Beckley Mfg. Co., New Britain, Conn.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Iwan Bros., Streator, Ill.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Lufkin Rule Co., Cleveland, O.
C. S. Osborne & Co., Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
Stark Machine & Tool Co., Buffalo, N. Y. *248
M. R. Warner & Son, Cromwell, Conn.
L. & I. J. White, Buffalo, N. Y.

A. MAGNETIC HAMMERS.
Atha Tool Co., Newark, N. J. *82
Hartford Hammer Co., Hartford, Conn,
Stanley Rule & Level Co., New Britain, Conn.

B. TACK HAMMERS.
Atha Tool Co., Newark, N. J. *82
Buffalo Hammer Co., Buffalo, N. Y.
Chalfant Mfg. Co., Atglen, Pa.
C. Hammond & Son, Ogontz, Pa.
Hartford Hammer Co., Hartford, Conn.
Humason & Beckley Mfg. Co., New Britain, Conn.
Landers, Frary & Clark, New Britain, Conn.
C. S. Osborne & Co., Newark, N. J.
Ripley Mfg. Co., Unionville, Conn.
Stanley Rule & Level Co., New Britain, Conn.

C. UPHOLSTERERS' HAMMERS.
Atha Tool Co., Newark, N. J. *82
C. S. Osborne & Co., Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.

1636. HAND SCREWS.

R. Bliss Mfg. Co., Pawtucket, R. I.
H. Chapin's Son, Pine Meadow, Conn.
Detroit Machine Screw Works, Detroit, Mich.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Novelty Wood Works, Union City, Pa.
S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54
Ohio Tool Co., Columbus, O. *207
Sandusky Tool Co., Sandusky, O. *210

1637. HANDLE MACHINERY.

Defiance Machine Works, Defiance, O.
Egan Co., 232 W. Front St., Cincinnati, O. *178
Garvin Machine Co., 9 Laight St., New York.
McIvers Bros. Machine Co., Worcester, Mass.
C. B. Rogers & Co., Norwich, Conn. *154
H. B. Smith Machine Co., Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y. *91

1638. HAT MACHINERY & TOOLS.

A. HAT BLOCKS.
Henry A. Ashwell, 180 Centre St., New York.
M. A. Cuming, 163 Mercer St., New York.
Gilbert Bros., Bethel, Conn.
Christian Nonnenberger, 323 Race St., Philadelphia, Pa.

J. E. Saffery, 128 S. 5th Av., New York.
Terrell & Travis, 17 Bond St., New York.

B. HAT BRIM IRONS. Chalfant Mfg. Co., Atglen, Pa.

C. HAT ROUNDING MACHINES Chas. H. Reid, Danbury, Conn.

D. HAT STRETCHERS. M. A. Cuming, 163 Mercer St., New York.

E. HATTERS' TANKS. Gilbert Bros., Bethel, Conn.

F. HATTERS' TOOLS. Gilbert Bros., Bethel, Conn.
Chas. H. Reid, Danbury, Conn.
W. A. Wheeler, S. Norwalk, Conn.

G. HYDRAULIC HAT PRESSES. M. A. Cuming, 163 Mercer St., New York.

1639. HATCHETS.
American Axe & Tool Co., Pittsburgh, Pa.
Atha Tool Co., Newark, N. J. *82
Buffalo Hammer Co., Buflalo, N. Y.
Collins Co., Collinsville, Conn.
Diamond Wrench & Tool Co., Portland, Me.
Findlay Rolling Mill Co., Findlay, O.
C. Hammond & Son, Ogontz, Pa.
James Harding, Newark, N. J.
H. Knickerbacker, Ballston, N. Y.
A. G. Peck & Co., Cohoes, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
M. Price, Newark, N. J.
Shepard Hardware Co., Buffalo, N. Y.
Swan Bros., Streator, Ill.
L. & I. J. White, Buffalo, N. Y.
Chas. A. Williams & Co., Skowhegan, Me.

1640. HEMP BREAKS. Ewald Over, Indianapolis, Ind.

1641. HONEY MAKING MACHINERY.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
A. I. Root, Medina, O.

1642. HOOKS, FREIGHT.

A. BOX HOOKS.
C. Drew & Co., Kingston, Mass.
H. H. Harvey, 116 High St., Boston, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Thos. Laughlin & Son, Portland, Me.
G. M. Stanwood & Co., Portland, Me.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

B. COTTON HOOKS.
C. Drew & Co., Kingston, Mass.
H. H. Harvey, 116 High St., Boston, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
Thos. Laughlin & Son, Portland, Me.
C. S. Osborne & Co., Newark, N. J.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

C. HAY HOOKS.
C. Drew & Co., Kingston, Mass.
H. H. Harvey, 116 High St., Boston, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.

1643. HORSE CLIPPERS.
Brown & Sharpe Mfg. Co., Providence, R. I.
Coates Clipper Mfg. Co., Worcester, Mass.
Edward S. Hotchkiss, Bridgeport, Conn.

1644. HORSESHOE MACHINES.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1645. HYDRAULIC MACHINERY.
Davis & Farnum Mfg. Co., Waltham, Mass.
W. & B. Douglas, Middletown, Conn. *162
Ellicott Machine Co., Baltimore, Md.
Goulds Mfg. Co., Seneca Falls, N. Y.
Smith & Vaile Co., Dayton, O.
Southwark Fdry. & Mach. Co., Washn. Av. & S. 5th St., Phila., Pa.
Stokes & Parrish Elevator Co., 30th & Chestnut Sts., Phila., Pa.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
William Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Walker Mfg. Co., Cleveland, O.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

A. HYDRAULIC DREDGING MACHINERY. Robt. Poole & Son Co., Baltimore, Md. *132

1646. HYDRO EXTRACTORS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Cleveland Machine Works, Worcester, Mass.
A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.

1647. ICE TOOLS.
H. F. Dernell & Co., Athens, N. Y.
G. J. Dickson Mfg. Co., Albany, N. Y.
Empire Portable Forge Co., Lansingburgh, N. Y.
Peter Gerlach & Co., Cleveland, O.
H. H. Harvey, 116 High St., Boston, Mass.

Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Landers, Frary & Clark, New Britain, Conn.
A. S. Piper & Co., 83 W. 12th St., Chicago, Ill.
Palmer Hardware Mfg. Co., Troy, N. Y.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
Sidney Shepard & Co., Buffalo, N. Y.
Seymour Smith & Son, Oakville, Conn.
Stafford & Holden Mfg. Co., Barre, Vt.
N. R. Streeter & Co., Groton, N. Y.
Washington Ice Co., 175 Dearborn St., Chicago, Ill.
L. & I. J. White, Buffalo, N. Y.
W. T. Wood & Co., Arlington, Mass.

A. ICE AXES.
American Axe & Tool Co., Pittsburgh, Pa.
Crandall & Godley, 157 Franklin St., New York.
Palmer Hardware Mfg. Co., Troy, N. Y.

B. ICE ELEVATORS.
Knickerbocker Ice Co., 6th & Arch Sts., Philadelphia, Pa.

C. ICE PLOWS.
Buffalo Scale Co., Buffalo, N. Y.
Knickerbocker Ice Co., 6th & Arch Sts., Philadelphia, Pa.
W. T. Wood & Co., Arlington, Mass.

D. ICE SAWS.
American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
Jas. Goodwin, Albany, N. Y.
R. Hoe & Co. 504 Grand St., New York.
Knickerbocker Ice Co., 6th & Arch Sts., Philadelphia, Pa.
National Saw Co., 96 Reade St., New York.
Richardson Bros., Newark, N. J.

1648. INCLINOMETERS.
L. S. Starrett, Athol, Mass.

1649. JEWELERS' MACHINERY & TOOLS.

A. BRISTLE BRUSH WHEELS.
O. W. Bullock & Co., Springfield, Mass.
E. P. Reichhelm & Co., 80 Nassau St., New York.

B. JEWELERS' BLOCKS.
O. W. Bullock & Co., Springfield, Mass.
Union Stove Lining Co., Taunton, Mass.

C. JEWELERS' BURNERS.
Bramhall, Deane & Co., 264 Water St., New York.
O. W. Bullock & Co., Springfield, Mass.
Providence Gas Burner Co., Providence, R. I.

D. JEWELERS' DRAW-BENCHES.
O. W. Bullock & Co., Springfield, Mass.
Pierce & Noble, Newark, N. J.

E. JEWELERS' DRILLING MACHINES.
Walter S. Brower, 12 Plain St., Albany, N. Y.
O. W. Bullock & Co., Springfield, Mass.

F. JEWELERS' FILES.
O. W. Bullock & Co., Springfield, Mass.
Nicholson File Co., Providence, R. I.

G. JEWELERS' GAS FURNACES.
American Gas Furnace Co., Elizabeth, N. J.
Buffalo Dental Mfg. Co., 587 Main cor. Chippewa Sts., Buffalo, N. Y.
O. W. Bullock & Co., Springfield, Mass.
E. P. Reichhelm & Co., 80 Nassau St., New York.

H. JEWELERS' LATHES.
O. W. Bullock & Co., Springfield, Mass.
Faneuil Watch Tool Co., 474 Washington St., Boston, Mass.
Garvin Machine Co., 9 Laight St., New York.
Moseley & Co., Elgin, Ill.
Racine Hardware Mfg. Co., Racine, Wis

I. JEWELERS' LATHE ATTACHMENTS.
Mosely & Co., Elgin, Ill.

J. JEWELERS' PLIERS.
O. W. Bullock & Co., Springfield, Mass.
Day & Johnson, Dunning Block, Aurora, Ill.
Henry F. Jenks, Pawtucket, R. I.
Niagara Stamp. & Tool Co., Superior c. Randall Sts., Buffalo, N. Y.
Palmer, Cunningham & Co., 607 Market St., Philadelphia, Pa.

K. JEWELERS' PRESSES.
O. W. Bullock & Co., Springfield, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

L. JEWELERS' ROLLS.
O. W. Bullock & Co., Springfield, Mass.
Pierce & Noble, Newark, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

M. JEWELERS' VISES.
O. W. Bullock & Co., Springfield, Mass.
Prentiss Vise Co., 44 Barclay St., New York.

N. POLISHING WHEELS.
O. W. Bullock & Co., Springfield, Mass.
O. H. Felton & Son Co., Manchester, N. H.
E. P. Reichhelm & Co., 80 Nassau St., New York.
Ellis Thayer, Pawtucket, R. I. *64

O. WIRE BRUSH WHEELS.
O. W. Bullock & Co., Springfield, Mass.
E. P. Reichhelm & Co., 80 Nassau St., New York.

1650. KETTLES.

A. ACID KETTLES.
Healey Iron Works, N. 5th & Driggs Sts., Brooklyn, N. Y.
Standard Mfg. Co., Pittsburgh, Pa. *49

B. COLOR KETTLES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.

	Granger Foundry & Machine Co , Providence, R. I.	
	Thos. Phillips & Co., Providence, R. I.	
C. COPPER JACKET KETTLES.	Thos. Phillips & Co., Providence, R. I.	
	John Van Range Co., 169 Elm St., Cincinnati, O.	
D. STEAM JACKET KETTLES.	W. W. Brewer, Troy, N. Y.	
	Dickson Mfg. Co., Scranton, Pa.	
	H. Wm. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.	
	McElroy & Armitage, Keokuk, Iowa.	
	Merrell & Soule, Syracuse, N. Y.	
	Murray Iron Works Co., Burlington, Iowa.	
	Standard Mfg. Co., Pittsburgh, Pa.	*49
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	Warfield Mfg. Co., Baltimore, Md.	
1651. KNIVES.		
A. BENCH KNIVES.	A. A. Simonds, Dayton, O.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
B. CLAM KNIVES.	A. F. Bannister & Co., Newark, N. J.	
	Wm. C. Carver, 467 Knickerbocker St.. Brooklyn, N. Y.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
C. CORK KNIVES.	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
D. DRAW KNIVES.	J. H. Hoague, Chicopee, Mass.	
	C. E. Jennings & Co., 81 Reade St., New York.	
	C. J. Kimball & Son, Bennington, N. H.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	L. & I. J. White, Buffalo, N. Y.	
	Winsted Edge Tool Works, W. Winsted, Conn.	
E. DRUGGISTS' KNIVES.	John Russell Cutlery Co., Turner's Falls, Mass.	
F. LINEN KNIVES.	Wilbur Webster, E. Jaffrey, N. H.	
G. OIL CLOTH KNIVES.	C. S. Osborne & Co., Newark, N. J.	
	Tuck Mfg. Co., Brockton, Mass.	
H. OYSTER KNIVES.	Wm. C. Carver, 467 Knickerbocker St., Brooklyn, N. Y.	
	Landers, Frary & Clark, New Britain, Conn.	
	C. S. Osborne & Co., Newark, N. J.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
	Tuck Mfg. Co., Brockton, Mass.	
I. PALETTE KNIVES.	Landers, Frary & Clark, New Britain, Conn.	
	Meriden Cutlery Co., Meriden, Conn.	
	John Russell Cutlery Co., Turner's Falls, Mass.	
J. RATTAN KNIVES.	Wilbur Webster, E. Jaffrey, N. H.	
K. SARDINE KNIVES.	Meriden Britannia Co., Meriden, Conn.	
L. SCRAPING KNIVES.	Northampton Cutlery Co., Northampton, Mass.	
1652. LACE TIPPING MACHINES.		
	Schott Bros., Providence, R. I.	
A. LEATHER LACE TIPPING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
1653. LADLES.		
A. BRASS LADLES.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.	
	C. S. Osborne & Co., Newark, N. J.	
B. MELTING LADLES.	Pratt & Letchworth, Buffalo, N. Y.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
C. WAX LADLES.	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.	
1654. LAMP BLACK PANS.	Healey Iron Works, N. 5th cor. Driggs St., Brooklyn, N. Y.	
1655. LATHES.		
A. AMATEUR LATHES.	Miller's Falls Co., Miller's Falls, Mass.	
	H. M. Quackenbush, Herkimer, N. Y.	
	Sebastian-May Co., 191 W. 2d St., Cincinnati, O.	
	W. C. Young & Co., Worcester, Mass.	
B. AMATEUR LATHE CHUCKS.	Cushman Chuck Co., Hartford, Conn.	
	D. E. Whiton Machine Co., New London, Conn.	
C. BOBBIN LATHES.	G. N. Goodspeed, Winchendon, Mass.	
D. BURNISHING LATHES.	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
E. FOOT POWER LATHES.	W. F. & John Barnes Co., Rockford, Ill.	
	Battle Creek Machinery Co., Battle Creek, Mich.	
	Cataract Washing Machine Co., 136 Liberty St., New York.	
	Garvin Machine Co., 9 Laight St., New York.	
	Lodge & Davis Mach. Tool Co., 6th & Eggleston Av., Cin., O.	
	Narragansett Machine Co., Providence, R. I.	
	Prentice Bros., Worcester, Mass.	
	H. M. Quackenbush, Herkimer, N. Y.	
	F. E. Reed, Worcester, Mass.	
	Sebastian-May Co., 191 W. 2d St., Cincinnati, O.	
	Seneca Falls Mfg. Co., Seneca Falls, N. Y.	
	W. C. Young & Co., Worcester, Mass.	
F. HAT BLOCK LATHES.	Gilman & Townsend, Springfield, Vt.	

G.	LAPIDARY LATHES.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.
H.	LAST LATHES.	Gilman & Townsend, Springfield, Vt.
		Seymour & Whitlock, Newark, N. J.
I.	NECK YOKE LATHES.	Defiance Machine Works, Defiance, O.
J.	SCREW CHASERS.	S. W. Card & Co., Mansfield, Mass.
K.	SINGLE-TREE LATHES.	Defiance Machine Works, Defiance, O.
L.	WARP SPOOL LATHES.	G. N. Goodspeed, Winchendon, Mass.

1656. LAUNDRY MACHINERY.

A.	CAPE COLLAR IRONERS.	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Sharp & Bailey, Jr., Troy, N. Y.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
B.	CENTRIFUGAL EXTRACTORS.	American Tool & Machine Co., 84 Kingston St., Boston, Mass.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Tolhurst Machine Co., Troy, N. Y.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
C.	CLOTHES DRYER & AIRER, GAS.	Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
D.	CLOTHES WASHERS, HAND.	Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Lovell Mfg. Co., Ltd., Erie, Pa.
		A. F. Shapleigh Hardware Co., Washn. Av. & 4th St., St. Louis, Mo.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
E.	CLOTHES WASHING MACHINES.	Adams Laundry Machinery Co., Troy, N. Y.
		Chas. G. Allen & Co., Barre, Mass.
		Bluffton Mfg. Co., Bluffton, Ind.
		H. F. Brammer Mfg. Co., Davenport, Iowa.
		M. Brown & Co., Wapakoneta, O.
		Colby Wringer Co., Montpelier, Vt.
		A. M. Dolph & Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Empire Washer Co., Jamestown, N. Y.
		G. D. Ferris, 813 N. 21st St., St. Louis, Mo.
		Horton Mfg. Co., Fort Wayne, Ind.
		Oakley & Keating, 135 Manhattan Av., Brooklyn, N. Y.
		H. H. Palmer & Co., Rockford, Ill.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
		Vandergrift Mfg. Co., Jamestown, N. Y.
F.	CLOTHES WRINGERS.	Colby Wringer Co., Montpelier, Vt.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Erie Wringer Mfg. Co., Pittsburgh, Pa.
		G. S. Foos Co., Springfield, O.
		Goshen Sweeper Co., Grand Rapids, Mich.
		I-X-L Pump Co., Goshen, Ind.
		Lovell Mfg. Co., Ltd., Erie, Pa.
		Oval Churn Co., Goshen, Ind.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
		Wm. G. Willard, 416 S. 7th St., St. Louis, Mo.
G.	COLLAR & CUFF IRONERS.	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Sharp & Bailey, Jr., Troy, N. Y.
		Tomkins Bros., Troy, N. Y.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
H.	COLLAR & CUFF SHAPERS.	Adams Laundry Machinery Co., Troy, N. Y.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Tomkins Bros., Troy, N. Y.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
I.	COLLAR & CUFF STARCHERS.	Adams Laundry Machinery Co., Troy, N. Y.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
		F. M. Watkins, 90 E. 8th St., Cincinnati, O.
J.	DAMPENING MACHINES.	Adams Laundry Machinery Co., Troy, N. Y.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
K.	DRYING ROOMS.	Adams Laundry Machinery Co., Troy, N. Y.
		A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Empire Laundry Machinery Co., 185 High St., Boston, Mass.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
L.	FLUTERS, HAND.	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.
		Lovell Mfg. Co., Ltd., Erie, Pa.
		Fred. J. Meyers Mfg. Co., Covington, Ky.
		Shepard Hardware Co., Buffalo, N. Y.
		Troy Laundry Machinery Co., Ltd., Troy, N. Y. *168
M.	FLUTING IRONS.	Fred. J. Meyers Mfg. Co., Covington, Ky.

	N. R. Streeter & Co., Groton, N. Y.	
N. FLUTING MACHINES.	Colby Wringer Co., Montpelier, Vt.	
	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	Empire Laundry Machinery Co., 185 High St., Boston, Mass.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
O. IRONING MACHINES.	Adams Laundry Machinery Co., Troy, N. Y.	
	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	John W. Lufkin, 38 Chardon St., Boston, Mass.	
	M. Mahony, Troy, N. Y.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
	L. H. Watson & Co., Newark, N. J.	
P. MANGLES.	Adams Laundry Machinery Co., Troy, N. Y.	
	H. W. Butterworth & Sons, E. York & Cedar Sts., Phila., Pa.	
	Colby Wringer Co., Montpelier, Vt.	
	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	Granger Foundry & Machine Co., Providence, R. I.	
	Lovell Mfg. Co., Ltd., Erie, Pa.	
	Oakley & Keating, 135 Manhattan Av., Brooklyn, N. Y.	
	Phenix Iron Foundry, Providence, R. I.	
	Sharp & Bailey, Jr., Troy, N. Y.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
Q. PLAITERS.	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
R. POWER SHIRT PRESSES.	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	Empire Laundry Machinery Co., 185 High St., Boston, Mass.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
S. SHIRT IRONERS.	Adams Laundry Machinery Co., Troy, N. Y.	
	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	Empire Laundry Machinery Co., 185 High St., Boston, Mass.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
T. STARCH BOILERS.	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
U. STARCHING MACHINES.	Adams Laundry Machinery Co., Ltd., Troy, N. Y.	
	A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.	
	Empire Laundry Machinery Co., 185 High St , Boston, Mass.	
	Tomkins Bros., Troy, N. Y.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
V. STEAM GENERATORS.	M. Mahony, Troy, N. Y.	
	Troy Laundry Machinery Co., Ltd., Troy, N. Y.	*168
1657. LEATHER WORKERS' TOOLS.		
A. LEATHER CHISELS.	Duprey & Tougas, Brockton, Mass.	
B. LEATHER CUTTING DIES.	Hoggson & Pettis Mfg. Co., New Haven, Conn.	
	John Loyd, 562 Water St., New York.	
	C. S. Osborne & Co., Newark, N. J.	
	Ross-Moyer Mfg. Co., 226 Sycamore St., Cincinnati, O.	
C. LEATHER EMBOSSING MACHINES.	H. F. Osborne, Newark, N. J.	
	T. W. & C. B. Sheridan, 2 Reade St., New York.	
	Whittemore Mfg. Co., 31 South St., Boston, Mass.	
D. LEATHER KNIVES.	John Loyd, 562 Water St., New York.	
	Simonds Mfg. Co., Fitchburg, Mass.	
	Wilbur Webster, E. Jaffrey, N. H.	
E. LEATHER PUNCHES.	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	C. S. Osborne & Co., Newark, N. J.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
F. LEATHER PUNCHING MACHINES.	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
	Whittemore Mfg. Co., 31 South St., Boston, Mass.	
G. LEATHER STITCHING MACHINES.	Elliot Dash Stitching Machine Co., 15 Cortlandt St., New York.	
	Randall & Co., 520 W. 6th St., Cincinnati, O.	
1658. LEVELS.	H. Chapin's Sons, Pine Meadow, Conn.	
	Davis & Cook, Watertown, N. Y.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	C. F. Richardson, Athol, Mass.	
	Stanley Rule & Level Co., New Britain, Conn.	
	Stratton Bros., Greenfield, Mass.	
	Tower & Lyon, 95 Chambers St., New York.	
	Upson Nut Co., Unionville, Conn.	
A. HYDROSTATIC LEVELS.	Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.	
B. IRON LEVELS.	Putnam Machine Co., Fitchburg, Mass.	
	C. F. Richardson, Athol, Mass.	
	L. S. Starrett, Athol, Mass.	
C. LEVEL GLASSES.	H. Chapin's Sons, Pine Meadow, Conn.	
	C. F. Richardson, Athol, Mass.	
	Stanley Rule & Level Co., New Britain, Conn.	
D. MACHINISTS' LEVELS.	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	C. F. Richardson, Athol, Mass.	

1659. LUMBERING TOOLS.

E. C. Atkins & Co., Indianapolis, Ind *198
Bangor Edge Tool Co., Bangor, Me.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Peter Gerlach & Co., Cleveland, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Reeves & Co., Columbus, Ind.
Wheeling Hinge Co., Wheeling, W. Va.

1660. MACARONI MACHINERY.

J. DeBeauvais, 2 Howard St., New York.
Hungerford Co., 67 Pearl St., New York.

1661. MACHINERY CASTINGS.

Cleveland Wheel & Foundry Works, Cleveland, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Holyoke Machine Co., Holyoke, Mass.
Lobdell Car Wheel Co., Wilmington, Del.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
New Albany Rail Mill Co., New Albany, Ind.
Portland Co., Portland, Me.
Isaac Pott & Co., Lebanon, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Riverside Foundry Co., Cleveland, O.
T. W. & C. B. Sheridan, 2 Reade St., New York.
Springfield Foundry Co., Springfield, Mass.
Geo. W. Swett & Son, Troy, N. Y.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
E. A. Williams & Son, Jersey City, N. J.

1662. MACHINISTS' TOOLS.

American Saw Co., Trenton, N. J.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Betts Machine Co., Wilmington, Del.
Billings & Spencer Co., Hartford, Conn. *103
Brown & Sharpe Mfg. Co.. Providence, R. I.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Cincinnati Milling Mach. Co., 2d & Plum Sts., Cincinnati, O. *120
Columbus Machine Co., Columbus, O.
Flather & Co., Nashua, N. H.
Garvin Machine Co., 9 Laight St., New York.
G. A. Gray & Co., 481 Sycamore St., Cincinnati, O.
Edwin Harrington, Son & Co., N. 15th St., Penna. Av., Phila., Pa.
Hewes & Phillips, Newark, N. J.
Lodge & Davis Mach. Tool Co., 6th St. & Eggleston Av., Cin., O.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
New Haven Mfg. Co., New Haven, Conn.
New Process Twist Drill Co., Taunton, Mass.
Niles Tool Works, Hamilton, O. *180-9
Palmer, Cunningham & Co., Ltd., 607 Market St., Phila., Pa.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Pond's Machine Mfrs. Tool Co., Plainfield, N. J.
Pratt & Whitney Co., Hartford, Conn.
Prentice Bros., Worcester, Mass.
Putnam Machine Co., Fitchburg, Mass.
F. E. Reed, Worcester, Mass.
Joseph B. Reed, Cairo, Ill.
Rhode Island Tool Co., Providence, R. I.
San Francisco Tool Co., San Francisco, Cal.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
H. B. Smith Machine Co., Smithville, N. J.
Standard Tool Co., Athol, Mass.
Upson Nut Co., Cleveland, O.
Warner & Swasey, Cleveland, O.
Whitcomb Mfg. Co., Worcester, Mass.
Williams, White & Co., Moline, Ill.
S. A. Woods Machine Co., 172 High St., Boston, Mass.

1663. MALLETS.

W. H. Anderson & Son, Detroit, Mich.
R. Bliss Mfg. Co., Pawtucket, R. I.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Brockton Mallet Co., Brockton, Mass.
Chattanooga Tool Co., Chattanooga, Tenn.
F. Cundey, 210 Quarry St., Philadelphia, Pa.
H. H. Harvey, 116 High St., Boston, Mass.
A. & C. W. Holbrook, Providence, R. I.

	Horatio Kelsey, Clinton, Conn.	
	New England Awl & Needle Co., W. Medway, Mass.	
	C. S. Osborne & Co., Newark, N. J.	
	Ripley Mfg. Co., Unionville, Conn.	
	Stanley Rule & Level Co., New Britain, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Union Hardware Co., Torrington, Conn.	
	Williams & Marvin, Deep River, Conn.	
A. BEETLES.	Granger Foundry & Machine Co., Providence, R. I.	
B. BOXWOOD MALLETS.	R. Bliss Mfg. Co., Pawtucket, R. I.	
	S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
	Ohio Tool Co., Columbus, O.	*207
C. CARPENTERS' MALLETS.	Sandusky Tool Co., Sandusky, O.	*210
D. LIGNUMVITAE MALLETS.	R. Bliss Mfg. Co., Pawtucket, R. I.	
	Ohio Tool Co., Columbus, O.	*207
	Williams & Marvin, Deep River, Conn.	
E. MALLET CIRCLES.	A. & C. W. Holbrook, Providence, R. I.	
F. RAW HIDE MALLETS.	A. & C. W. Holbrook, Providence, R. I.	
	New Process Rawhide Co., Syracuse, N. Y.	
	S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
	G. F. Rice, Worcester, Mass.	
G. TINNERS' MALLETS.	Sandusky Tool Co., Sandusky, O.	*210
1664. MANDRELS.	American Standard Gauge & Tool Works, Wilmington, Del.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	Emerson, Smith & Co., Ltd., Beaver Falls, Pa.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.	
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	W. H. Nicholson & Co., Wilkes Barre, Pa.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
	Standard Tool Co., Cleveland, O.	
A. AUTO. CONE MANDRELS.	Putnam Machine Co., Fitchburg, Mass.	
B. EXPANDING MANDRELS.	C. W. LeCount, S. Norwalk, Conn.	
C. TAPER MANDRELS.	Wiley & Russell Mfg. Co., Greenfield, Mass.	
1665. MARBLE LATHES.	Putnam Machine Co., Fitchburg, Mass.	
1666. MARKING MACHINES.	Pratt & Whitney Co., Hartford, Conn.	
	Dwight Slate Machine Co., Hartford, Conn.	
1667. MASONS' TOOLS.		
A. BRICK CHISELS.	W. C. Carver, 467 Knickerbocker Av., Brooklyn, N. Y.	
	Abner Doble Co., San Francisco, Cal.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
B. BRICK TROWELS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	M. Price, Newark, N. J.	
	Richardson Bros., Newark, N. J.	
C. BRICKLAYERS' HAMMERS.	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Abner Doble Co., San Francisco, Cal.	
	C. Drew & Co., Kingston, Mass.	
	C. Hammond & Son, Ogontz, Pa.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
	M. R. Warner & Son, Cromwell, Conn.	
	L. & I. J. White, Buffalo, N. Y.	
D. BROWNSTONE TOOLS.	Abner Doble Co., San Francisco, Cal.	
	H. H. Harvey, 116 High St., Boston, Mass.	
E. GRANITE TOOLS.	W. H. Anderson & Son, Detroit, Mich.	
	H. H. Harvey, 116 High St., Boston, Mass.	
F. MARBLE TOOLS.	W. H. Anderson & Son, Detroit, Mich.	
	H. H. Harvey, 116 High St., Boston, Mass.	
G. MASONS' HAMMERS.	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Detroit Steel & Spring Co., Detroit, Mich.	
	Dickson Mfg. Co., Scranton, Pa.	
	Abner Doble Co., San Francisco, Cal.	
	C. Hammond & Son, Ogontz, Pa.	
	Hartford Hammer Co., Hartford, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	A. G. Peck & Co., Cohoes, N. Y.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
H. MORTAR HOES.	Auburn Mfg. Co., Auburn, N. Y.	
	Chattanooga Tool Co., Chattanooga, Tenn.	

	Geneva Tool Co., Geneva, O.	
	Smith Harper, 12 N. 5th St., Philadelphia, Pa.	
	Iowa Farming Tool Co., Fort Madison, Iowa.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
I. PLASTERING TROWELS.	Atha Tool Co., Newark, N. J.	*82
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	H. A. Lothrop Mfg. Co., Sharon, Mass.	
	Richardson Bros., Newark, N. J.	
J. PLUMBS & LEVELS.	H. Chapin's Sons, Pine Meadow, Conn.	
K. SANDSTONE TOOLS.	H. H. Harvey, 116 High St., Boston, Mass.	
L. SLATE KNIVES.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	L. & I. J. White, Buffalo, N. Y.	
M. STONE AXES.	Detroit Steel & Spring Co., Detroit, Mich.	
	C. Hammond & Son, Ogontz, Pa.	
	Hartford Hammer Co., Hartford, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
N. STONE CHISELS.	Collins Co., Collinsville, Conn.	
	Abner Doble Co., San Francisco, Cal.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
O. STONE CUTTERS MALLETS.	H. H. Harvey, 116 High St., Boston, Mass.	
P. STONE CUTTERS' POINTS.	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
Q. STONE CUTTERS' TOOLS.	W. H. Anderson & Son, Detroit, Mich.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	C. F. Leavitt, Lewiston, Me.	
R. STONE HAMMERS.	Ames Sword Co., Chicopee, Mass.	
	W. H. Anderson & Son, Detroit, Mich.	
	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Detroit Steel & Spring Co., Detroit, Mich	
	Dickson Mfg. Co., Scranton, Pa.	
	C. Hammond & Son, Ogontz, Pa.	
	Hartford Hammer Co., Hartford, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
S. STONE LEWISES.	Abner Doble Co., San Francisco, Cal.	
	H. H. Harvey, 116 High St., Boston, Mass.	
T. STONE PICKS.	Atha Tool Co., Newark, N. J.	*82
	Auburn Mfg. Co., Auburn, N. Y.	
	Abner Doble Co., San Francisco, Cal.	
	Findlay Rolling Mill Co., Findlay, O.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
U. STONE SLEDGES.	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Detroit Steel & Spring Co., Detroit, Mich.	
	Hartford Hammer Co., Hartford, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
V. STONE WEDGES.	Atha Tool Co., Newark, N. J.	*82
	Detroit Steel & Spring Co., Detroit, Mich.	
	Abner Doble Co., San Francisco, Cal.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	J. Pope & Son, Manchester, Me.	
1668. MATCH MACHINERY.	W. H. H. Sisum, 225 State St., Brooklyn, N. Y.	
1669. MAULS.		
A. CAST STEEL MAULS.	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
B. COAL MAULS.	Detroit Steel & Spring Co., Detroit, Mich.	
C. HIDE FACED MAULS.	S. Obermayer Fdry. Sup. Mfg.Co., Evans S. of 8th St., Cin., O.	*54
D. FLOOR MAULS.	H. H. Harvey, 116 High St., Boston, Mass.	
E. POST MAULS.	Hurlbut Mfg. Co., Racine Junction, Wis.	
F. SHIP MAULS.	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Detroit Steel & Spring Co., Detroit, Mich.	
	C. Hammond & Son, Ogontz, Pa.	
	Hartford Hammer Co., Hartford, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Pittsburgh, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	

Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
L. & I. J. White, Buffalo, N.

G. SPIKE MAULS. Detroit Steel & Spring Co., Detroit, Mich.

H. STEEL FACE MAULS. Iron City Tool Works, Ltd., Pittsburgh, Pa.

I. WOOD CHOPPERS' MAULS. Atha Tool Co., Newark, N. J.
Buffalo Hammer Co., Buffalo, N. Y.
Detroit Steel & Spring Works, Detroit, Mich.
C. Hammond & Son, Ogontz, Pa.
Hartford Hammer Co., Hartford, Conn.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

1670. MEASURING MACHINES.
American Standard Gauge & Tool Works, Wilmington, Del.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Syracuse Twist Drill Co., Syracuse, N. Y.

1671. MECHANICS' TOOLS. Bemis & Call Hardware & Tool Co., Springfield, Mass.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
C. Drew Co., Kingston, Mass.
H. H. Harvey, 116 High St., Boston, Mass.
J. H. Hoague, Chicopee, Mass.
C. E. Jennings & Co., 81 Reade St., New York.
Ohio Tool Co., Columbus, O. *207
J. Stevens Arms & Tool Co., Chicopee Falls, Mass.

A. MECHANICS' FINE TOOLS. Athol Machine Co., Athol, Mass.
L. S. Starrett, Athol, Mass.

1672. METAL PRINTING & ENGRAVING MACHINERY.
Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.

1673. METERS.

A. EXPERIMENTAL GAS METERS. American Meter Co., 117 Elm St., Cincinnati, O.
Helme & McIlhenny, 1339 Cherry St., Philadelphia, Pa.
D. McDonald & Co., Albany, N. Y.
Nathaniel Tufts, 153 Franklin St., Boston, Mass.

B. GAS METERS. American Meter Co., 177 Elm St., Cincinnati, O.
Goodwin Gas Stove & Meter Co., 629 Arch St., Philadelphia, Pa.
Helme & McIlhenny, 1339 Cherry St., Philadelphia, Pa.
D. McDonald & Co., Albany, N. Y.
National Meter Co., 252 Broadway, New York.
Nathaniel Tufts, 153 Franklin St., Boston, Mass.

C. GAS METER PROVERS. American Meter Co., 117 Elm St., Cincinnati, O.
Helme & McIlhenny, 1339 Cherry St., Philadelphia, Pa.
D. McDonald & Co., Albany, N. Y.
Nathaniel Tufts, 153 Franklin St., Boston, Mass.

D. METER MOVEMENTS. D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

E. NAPHTHA METERS. Worthington Pumping Engine Co., 145 B'way, New York. *241

F. NATURAL GAS METERS. Henley Machine Tool Works, Richmond, Ind.

G. OIL METERS. Worthington Pumping Engine Co., 145 B'way, New York. *241

H. STATION GAS METERS. American Meter Co., 177 Elm St., Cincinnati, O.
D. McDonald & Co., Albany, N. Y.

I. TEST GAS METERS. American Meter Co., 177 Elm St., Cincinnati, O.
D. McDonald & Co., Albany, N. Y.
Nathaniel Tufts, 153 Franklin St., Boston, Mass.

J. WATER METERS. American Meter Co., 177 Elm St., Cincinnati, O.
Gilbert & Barker Mfg. Co., 90 John St., New York.
Goodwin Gas Stove & Meter Co., 629 Arch St., Phila., Pa.
Hersey Meter Co., 314 W. 2d St., S. Boston, Mass.
National Meter Co., 252 Broadway, New York.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Union Water Meter Co., Worcester, Mass.
Worthington Pumping Engine Co., 145 B'way, New York. *241

1674. MILLSTONE DRESSING MACHINES.
Griscom & Co. & McFeely, 1331 Noble St., Philadelphia, Pa.

1675. MINT MACHINERY. Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.

1676. MITRE BOXES. L. H. Olmsted, Hasbrouck Heights, N. J.
Stanley Rule & Level Co., New Britain, Conn.

1677. MOTION INDICATORS. Flennekin Turbine Co., Dubuque, Iowa.

1678. MOULDERS' TOOLS. Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
J. A. Emerick & Co., 1056 Beach St., Philadelphia, Pa.
S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54
Richardson Bros., Newark, N. J.

A. FLOOR RAMMERS. S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54

B. MOULDERS' FLASKS. S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54
Racine Hardware Mfg. Co., Racine, Wis.

C. PATTERN LIFTERS. S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54

D. SNAP FLASKS. S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54

1679. NAIL PULLERS & BOX OPENERS.
Bartlett Hardware Co., Freeport, Ill.
Belden Machine Co., New Haven, Conn.
Chantrell Tool Co., Reading, Pa.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
Freeport Hardware Mfg. Co., Freeport, Ill.
Hagen & Reid, Troy, N. Y.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Wheeling Hinge Co., Wheeling, W. Va.

1680. NAIL SETS.
Connecticut Valley Mfg. Co., Centrebrook, Conn.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
Elmwood Tool Co., Providence, R. I.
H. H. Harvey, 116 High St., Boston, Mass.
Humason & Beckley Mfg. Co., New Britain, Conn.
C. E. Jennings & Co., 81 Reade St., New York.
Wm. Johnson, Newark, N. J.
H. H. Mayhew & Co., Shelburne Falls, Mass.
Snell Mfg. Co., 72 Reade St., New York.
Edward Storm Spring Co., Poughkeepsie, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Wheeling Hinge Co., Wheeling, W. Va.

1681. NIPPERS, CUTTING.
R. H. Brown & Co., New Haven, Conn.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
Heller & Bros., Newark, N. J.
Hubbard & McClary, Windsor, Vt.
C. S. Osborne & Co., Newark, N. J.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Henry B. Todd, Meriden, Conn.
Tower & Lyon, 95 Chambers St., New York.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

1682. NUMBERING MACHINES.
Abbott Machine Co., 47 S. Canal St., Chicago, Ill.
Collins Co., Collinsville, Conn.
Wm. A. Force & Co., 60 Beekman St., New York.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Edmund D. Lathrop, Newark, N. J.
Jos. Wetter & Co., 20 Morton St., Brooklyn, N. Y.

1683. OIL MILL MACHINERY.
Smith & Vaile Co., Dayton, O.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.

A. CENTRIFUGAL OIL SEPARATORS.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
A. M. Dolph Co., 9th St. & Freeman Av., Cincinnati, O.

B. LINSEED OIL MACHINERY.
G. H. Bushnell Co., Thompsonville, Conn.
Buckeye Iron & Brass Works, Dayton, O.
Link-Belt Machine Co., 39th St. & Stewart Av., Chicago, Ill.

1684. OIL TESTING MACHINES.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Pratt & Whitney Co., Hartford, Conn.

1685. ORGAN FACTORY MACHINERY.
Buss Machine Works, Grand Rapids, Mich.
Egan Co., 232 W. Front St., Cincinnati, O. *178

1686. PAINTERS' TOOLS.

A. GRAINING COMBS
Hanlon & Goodman, 57 Fulton St., New York.
J. Finley Smith & Son, 107 Chambers St., New York.

B. PAINT BURNERS.
American Oil Stove Co., Gardner, Mass.

C. PAINTERS' KNIVES.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
John Russell Cutlery Co., Turner's Falls, Mass.

D. PUTTY KNIVES.
Goodell Co., Antrim, N. H.
Wm. Johnson, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
Northampton Cutlery Co., Northampton, Mass.

1687. PANTOGRAPHS.
American Steam Guage Co., 36 Chardon St., Boston, Mass.
Keuffel & Esser, 127 Fulton St., New York.

1688. PAPER BAG MACHINERY.
Martin Rau, 39 Centre St., New York.

1689. PAPER BOX MACHINERY.

A. BOXMAKERS' SHEARS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *20
T. W. & C. B. Sheridan, 2 Reade St., New York.

B. CORNER CUTTERS.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
T. W. & C. B. Sheridan, 2 Reade St., New York.

C. CUTTING & SCOURING MACHINES.
T. W. & C. B. Sheridan, 2 Reade St., New York.

D. PAPER BOX CUTTER PRESSES.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Kidder Press Mfg. Co., 34 Norfolk Av., Boston, Mass.
John T. Robinson & Co., Hyde Park, Mass.

1690. PAPER CUTTING MACHINES.

Atlantic Works, 60 Border St., E. Boston, Mass.
Chas. Beck Paper Co., 609 Chestnut St., Philadelphia, Pa.
Black & Clawson Co., Hamilton, O. *200–3
Chambers Bros. Co., N. 52d St. & Lancaster Av., Phila., Pa.
Child Acme Cutter & Press Co., 64 Federal St., Boston, Mass.
Globe Mfg. Co., 44 Beekman St., New York.
Gordon Press Works, Rahway, N. J.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Howard Iron Works, Buffalo, N. Y.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
Liberty Machine Works, 54 Frankfort St., New York.
Geo. H. Sanborn & Sons, 69 Beekman St., New York.
T. W. & C. B. Sheridan, 2 Reade St., New York.
Smith, Winchester & Co., S. Windham, Conn.
Whitlock Machine Co., Birmingham, Conn.

A. AUTOMATIC REAM CUTTERS.
Beloit Iron Works, Beloit, Wis.
Black & Clawson Co., Hamilton, O. *200–3

B. CARD CUTTERS.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
Mather Mfg. Co., 736 Sansom St., Philadelphia, Pa.
Milton Bradley Co., Springfield, Mass.
Golding & Co., 177 Fort Hill Square, Boston, Mass.
R. Hoe & Co., 504 Grand St., New York.
Geo. H. Sanborn & Sons, 69 Beekman St., New York.
T. W. & C. B. Sheridan, 2 Reade St., New York.

C. LEVER PAPER CUTTERS.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
Geo. H. Sanborn & Sons, 69 Beekman St., New York.
T. W. & C. B. Sheridan, 2 Reade St., New York.
Shniedewend & Lee Co., 303 Dearborn St., Chicago, Ill.
St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.

D. STOP CUTTERS.
Beloit Iron Works, Beloit, Wis.
Black & Clawson Co., Hamilton, O. *200–3
Holyoke Machine Co., Holyoke, Mass.
Lowell Machine Shop, Lowell, Mass.
Smith, Winchester & Co., S. Windham, Conn.

1691. PAPER FINISHING MACHINERY.

A. AIR-DRYING MACHINERY.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Smith, Winchester & Co., S. Windham, Conn.

B. AUTOMATIC FEEDERS.
Fall Mountain Paper Co., 85 Water St., Boston, Mass.

C. CALENDERS.
Birmingham Iron Foundry, Birmingham, Conn.
Black & Clawson Co., Hamilton, O. *200–3
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Granger Foundry & Machine Co., Providence, R. I.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.
Lowell Machine Shop, Lowell, Mass.
Phenix Iron Foundry, Providence, R. I.
Phœnix Iron Co., Trenton, N. J.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Smith, Winchester & Co., S. Windham, Conn.

D. CALENDERS, BREAKER.
Holyoke Machine Co., Holyoke, Mass.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Smith, Winchester & Co., S. Windham, Conn.

E. CALENDERS, EMBOSSING.
Birmingham Iron Foundry, Birmingham, Conn.
H. W. Butterworth & Sons Co., E. York & Cedar St., Phila, Pa.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

F. CALENDERS, FRICTION.
Birmingham Iron Foundry, Birmingham, Conn.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.
Granger Foundry & Machine Co., Providence, R. I.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.

G. CALENDERS, PLATERS'.
Birmingham Iron Foundry, Birmingham, Conn.
Granger Foundry & Machine Co., Providence, R. I.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.
Smith, Winchester & Co., S. Windham, Conn.

H. CALENDERS, SHEET.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Holyoke Machine Co., Holyoke, Mass.

I. CALENDERS, WEB.
Granger Foundry & Machine Co., Providence, R. I.

	Holyoke Hydrant & Iron Works, Holyoke, Mass	
	Holyoke Machine Co., Holyoke, Mass.	
J. CALENDER ROLLS, CHILLED.	Black & Clawson Co., Hamilton, O.	*200–3
	Farrel Foundry & Machine Co., Ansonia, Conn.	
	Granger Foundry & Machine Co., Providence, R. I.	
	Holyoke Machine Co., Holyoke, Mass.	
	Lobdell Car Wheel Co., Wilmington, Del.	
	Lowell Machine Shop, Lowell, Mass.	
	Phœnix Iron Co., Trenton, N. J.	
	Portland Company, Portland, Me.	
	Pusey & Jones Co., Wilmington, Del.	
	Smith, Winchester & Co., S. Windham, Conn.	
K. CALENDER ROLLS, GUN-METAL.	Black & Clawson Co., Hamilton, O.	*200–3
	Lowell Machine Shop, Lowell, Mass.	
L. CALENDER ROLLS, PAPER.	H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.	
	Granger Foundry & Machine Co., Providence, R. I.	
	Holyoke Hydrant & Iron Works, Holyoke, Mass.	
	Holyoke Machine Co., Holyoke, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	Phenix Iron Foundry, Providence, R. I.	
	Phœnix Iron Co., Trenton, N. J.	
	Portland Company, Portland, Me.	
	Smith, Winchester & Co., S. Windham, Conn.	
M. CALENDER ROLLS, STEEL.	Farrel Foundry & Machine Co., Ansonia, Conn.	
	Phœnix Iron Co., Trenton, N. J.	
N. FINE PAPER FINISHING MACHINERY.	Granger Foundry & Machine Co., Providence, R. I.	
O. PAPER COATING MACHINES.	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
P. PAPER PRESSES.	Boomer & Boschert Press Co., 235 Greenwich St., New York.	
	G. H. Bushnell Co., Thompsonville, Conn.	
Q. RULING MACHINES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
	John Hope, Providence, R. I.	
	John McAdams & Sons, 978 Kent Av., Brooklyn, N. Y.	
	E. J. Piper, Springfield, Mass.	
R. STAMPING PRESSES.	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
	E. J. Piper, Springfield, Mass.	
	F. P. Rosback, 41 S. Canal St., Chicago, Ill.	

1692. PAPER MAKING MACHINERY.

A. CUTTERS, PAPER STOCK.	Black & Clawson Co., Hamilton, O.	*200–3
	Coburn & Taylor Mfg. Co., Holyoke, Mass.	
	Curtis & Marble, Worcester, Mass.	
	Daniels Machine Co., Woodstock, Vt.	
	Hill Machine Works, Florence, Mass.	*157
	Holyoke Machine Co., Holyoke, Mass.	
	La Tourrette Machine Co., Middletown, O.	
	Lowell Machine Shop, Lowell, Mass.	
	Putnam Machine Co., Fitchburg, Mass.	
	Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Taylor, Stiles & Co., Riegelsville, N. J.	
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.	
B. CYLINDERS.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	F. Gray Co., Piqua, O.	
C. DIGESTORS.	De-Oxidized Metal Co., Bridgeport, Conn.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Globe Sulphite Boiler Co., Hartford, Conn.	
	Lang & Lovejoy, Albany, N. Y.	
	Harrison Loring, 7th St., bet. L & M Sts., S. Boston, Mass.	
	J. C. McNeil Co., Akron, O.	
	R. Munroe & Son, Pittsburgh, Pa.	*161
	Thos. Phillips & Co., Providence, R. I.	
	Portland Co., Portland, Me.	
D. DRAINERS.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
E. DRAINER VATS.	J. H. Horne & Sons Co., Lawrence, Mass.	
F. ENGINES, BEATING	Black & Clawson Co., Hamilton, O.	*200–3
	Cyrus Currier & Sons, Newark, N. J.	
	Holyoke Machine Co., Holyoke, Mass.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	J. Morton Poole Co., Wilmington, Del.	

	Pusey & Jones Co., Wilmington, Del.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.	
G. ENGINES, COMBINED BEATING & WASHING.	J. H. Horne & Sons Co., Lawrence, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
H. ENGINES, JORDAN.	Black & Clawson Co., Hamilton, O.	*200–3
	Cyrus Currier & Sons, Newark, N. J.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
	Pusey & Jones Co., Wilmington, Del.	
	Smith, Winchester & Co., S. Windham, Conn.	
I. ENGINES, RAG.	Charles P. Edwards' Sons, Chatham, N. J.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Harrison Loring, 1st St. bet. L & M Sts., S. Boston, Mass.	
	Union Machine Co., Fitchburg, Mass.	
J. ENGINES, REFINING.	Black & Clawson Co., Hamilton, O.	*200–3
	Pusey & Jones Co., Wilmington, Del.	
	Whittier Machine Co., 1176 Tremont St., Boston, Mass.	
K. ENGINES, WASHING.	Bagley & Sewall Co., Watertown, N. Y.	
	Black & Clawson Co., Hamilton, O.	*200–3
L. FILTERS.	Cumberland Mfg. Co., 220 Devonshire St., Boston, Mass.	
M. FILTERING TANKS.	J. H. Horne & Sons, Lawrence, Mass.	
N. IRON SCREEN VATS.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
	Cyrus Currier & Sons, Newark, N. J.	
	Holyoke Machine Co., Holyoke, Mass.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	Pusey & Jones Co., Wilmington, Del.	
	Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.	
	Smith, Winchester & Co., S. Windham, Conn.	
O. LINERS, PASTE.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
P. LINERS, SHEET.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
Q. MACHINE BOARDS.	Black & Clawson Co., Hamilton, O.	*200–3
	Lowell Machine Shop, Lowell, Mass.	
R. MACHINES, CYLINDER.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
	Downingtown Mfg. Co., Ltd., Downingtown, Pa.	
	L. K. Heathcote, Glen Rock, Pa.	
	Holyoke Machine Co., Holyoke, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	Osgood & Barker, Bellows Falls, Vt.	
	Pusey & Jones Co., Wilmington, Del.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Union Machine Co., Fitchburg, Mass.	
S. MACHINES, FOURDRINIER.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
	F. Gray Co., Piqua, O.	
	L. K. Heathcote, Glen Rock, Pa.	
	Lowell Machine Shop, Lowell, Mass.	
	Osgood & Barker, Bellows Falls, Vt.	
	Pusey & Jones Co., Wilmington, Del.	
	Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.	
	Sandy Hill Iron & Brass Co., Sandy Hill, N. Y.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Union Machine Co., Fitchburg, Mass.	
T. MACHINES, WET.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamllton, O.	*200–3
	L. K. Heathcote, Glen Rock, Pa.	
	Osgood & Barker, Bellows Falls, Vt.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
U. PAPER JOGGERS.	Geo. H. Sedgwick, Bloomfield, N. J.	
V. RAG DUSTERS.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
	Holyoke Hydrant & Iron Works, Holyoke, Mass.	
	Holyoke Machine Co., Holyoke, Mass.	
	E. D. Jones, Sons & Co., Pittsfield, Mass.	
	Kitson Machine Co., Lowell, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.	
W. RAG PICKERS.	Kitson Machine Co., Lowell, Mass.	
X. REELS, REVOLVING.	Beloit Iron Works, Beloit, Wis.	

	Black & Clawson Co., Hamilton, O.	*200–3
Y. REELS, STACK.	Beloit Iron Works, Beloit, Wis.	
	Black & Clawson Co., Hamilton, O.	*200–3
Z. ROTARY BLEACHERS.	Chicago Steam Boiler Works, 56 Fullerton Av., Chicago. Ill.	
	F. Coghlan, Holyoke, Mass.	
	Harrison Loring, E. 1st & M Sts., Boston, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	J. C. McNeil Co., Akron, O.	
AA. SLITTERS.	American Roll Paper Co., 207 N. 2d St., St. Louis, Mo.	
	Black & Clawson Co., Hamilton, O.	*200–3
	Foster & Brown, Saccarappa, Me.	
BB. STRAW BOILERS.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
	J. C. McNeil Co., Akron, O.	
CC. STUFF CHESTS.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
DD. THRESHING MACHINES.	Lowell Machine Shop, Lowell, Mass.	
EE. TUBS, BLEACH.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
FF. TUBS, BOILING.	Black & Clawson Co., Hamilton, O.	*200–3
	Samuel Booth, 543 W. 35th St., New York.	
	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
GG. TUBS, SIZE.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
HH. WATER TANKS.	Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
II. WINDERS.	Smith, Winchester & Co., S. Windham, Conn.	

1693. PAPER MACHINERY PARTS.

A. CYLINDER MOULDS.	Black & Clawson Co., Hamilton, O.	*200–3
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Gage Machine Works, Waterford, N. Y.	
	Lowell Machine Shop, Lowell, Mass.	
B. DANDY ROLLS.	Black & Clawson Co., Hamilton, O.	*200–3
	Buchanan, Bolt & Co., Holyoke, Mass.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	DeWitt Wire Cloth Co., 39 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Lowell Machine Shop, Lowell, Mass.	
	C. H. Smith & Co., Holyoke, Mass.	
C. DECKLE STRAPS.	Black & Clawson Co., Hamilton, O.	*200–3
	Boston Belting Co., 256 Devonshire St., Boston, Mass.	
	Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.	
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.	
	Revere Rubber Co., 63 Franklin St., Boston, Mass.	
D. DRAINER BOTTOMS.	Samuel Snell, Holyoke, Mass.	
E. FLY BARS.	Taylor, Stiles & Co., Riegelsville, N. J.	
F. FOURDRINIER WIRES.	Black & Clawson Co., Hamilton, O.	*200–3
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
G. GUIDES, FELT.	Black & Clawson Co., Hamilton, O.	*200–3
	Cheney-Bigelow Wire Works, Springfield, Mass.	
H. GUIDES, WIRE.	Black & Clawson Co., Hamilton, O.	*200–3
	Cheney-Bigelow Wire Works, Springfield, Mass.	
I. KNIVES, CHIPPER.	Taylor, Stiles & Co., Riegelsville, N. J.	
J. KNIVES, MACHINE.	Beloit Iron Works, Beloit, Wis.	
	Ezekiel Davis, W. Fitchburg, Mass.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
	Loring Coes & Co., Worcester, Mass.	
	John Loyd, 562 Water St., New York.	
	A. A. Simonds, Dayton, O.	
	Stubbs & Goddard, Kemble near Hampden, Boston, Mass.	
	L. & I. J. White, Buffalo, N. Y.	
K. KNIVES, PAPER.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
	L. & I. J. White, Buffalo, N. Y.	
L. KNIVES, PAPER CUTTER.	Ezekiel Davis, W. Fitchburg, Mass.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
	H. H. Latham, 304 Dearborn St., Chicago, Ill.	
	Simonds Mfg. Co., Fitchburg, Mass.	
	Taylor, Stiles & Co., Riegelsville, N. J.	
M. KNIVES, RAG.	American Axe & Tool Co., Pittsburgh, Pa.	
	G. & M. Nolin, 6 S. Mill St., Skowhegan, Me.	
	A. A. Simonds, Dayton, O.	
N. KNIVES, RAG CUTTER.	Ezekiel Davis, W. Fitchburg, Mass.	
	A. Hankey & Co., Rockdale, Mass.	

	J. H. Horne & Sons Co., Lawrence, Mass.	
	Taylor, Stiles & Co., Riegelsville, N. J.	
O. KNIVES, STOP CUTTER.	Taylor, Stiles & Co., Riegelsville, N. J.	
P. ROLL BARS.	Ezekiel Davis, W. Fitchburg, Mass.	
	F. H. Davis & Co., Holyoke, Mass.	
	Holyoke Bar Co., Holyoke, Mass.	
	J. H. Horne & Sons Co., Lawrence, Mass.	
	Lowell Machine Shop, Lowell, Mass.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Taylor, Stiles & Co., Riegelsville, N. J.	
Q. SCREEN PLATES.	Annandale Screen Plate Co., Paterson, N. J.	
	Black & Clawson Co., Hamilton, O.	*200-3
	Lowell Machine Shop, Lowell, Mass.	
	Rawson & Pearce, Paterson, N. J.	
1694. PAVING RAMMERS.	W. H. Anderson & Son, Detroit, Mich.	
	Abner Doble Co., San Francisco, Cal.	
1695. PIANO FACTORY MACHINERY.		
	Buss Machine Works, Grand Rapids, Mich.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
A. PIANO TOOLS.	John Schlitterhort, Cornwall, Conn.	
1696. PICKS.	American Axe & Tool Co., Pittsburgh, Pa.	
	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Collins Co., Collinsville, Conn.	
	Columbus Mfg. Co., Columbus, O.	
	Abner Doble Co., San Francisco, Cal.	
	Findlay Rolling Mill Co., Findlay, O.	
	Harrisburg Handle Co., Harrisburg, Pa.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Iwan Bros., Streator, Ill.	
	A. G. Peck & Co., Cohoes, N. Y.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa	
1697. PILE DRIVERS.	Excelsior Iron Works Co., Cleveland, O.	
	Industrial Works, Bay City, Mich.	
	J. S. Mundy, Newark, N. J.	
	Novelty Iron Works, Dubuque, Iowa.	
	Vulcan Iron Works, 86 N. Clinton St., Chicago, Ill.	
A. GUNPOWDER PILE DRIVERS.	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
B. PILE DRIVER HAMMERS.	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	J. S. Mundy, Newark, N. J.	
1698. PILL MACHINES.	A. H. Wirz, 91 Cherry St., Philadelphia, Pa.	
1699. PINCERS.	Wm. Johnson, Newark, N. J.	
	F. R. Woodward, Hill, N. H.	
1700. PINKING MACHINES.	C. S. Osborne & Co., Newark, N. J.	
	E. B. Stimpson & Son, 31 Spruce St., New York.	*222
A. PINKING IRONS.	Wm. Johnson, Newark, N. J.	
	C. S. Osborne & Co., Newark, N. J.	
1701. PITCHING TOOLS.	Detroit Steel & Spring Co., Detroit, Mich.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
1702. PLANES.		
A. ADJUSTABLE PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Gage Tool Co., Vineland, N. J.	
	Hann & Baker, Portland, Ind.	
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain. Conn.	
B. BEAD PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
C. BENCH PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Gage Tool Co., Vineland, N. J.	
	Sandusky Tool Co., Sandusky, O.	*210
	Otis A. Smith, Rockfall, Conn.	
D. COMBINATION PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Stanley Rule & Level Co., New Britain, Conn.	
E. HOLLOWS & ROUNDS.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Sandusky Tool Co., Sandusky, O.	*210
F. IRON PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Detrick & Harvey Machine Co., Baltimore, Md.	

	C. E. Jennings & Co., 81 Reade St., New York.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Stanley Rule & Level Co., New Britain, Conn.	
	Samuel E. Tatum Co., John & Water Sts., Cincinnati, O.	
	Tower & Lyon, 95 Chambers St., New York.	
	Upson Nut Co., Unionville, Conn.	
G. IRON THROAT PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Gage Tool Co., Vineland, N. J.	
H. JOINTERS.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
I. MATCH PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
J. MOULDING PLANES	H. Chapin's Son, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
K. PLANE IRONS.	Buck Bros., Millbury, Mass.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Snell Mfg. Co., 72 Reade St., New York.	
	Stanley Rule & Level Co., New Britain, Conn.	
	L. & I. J. White, Buffalo, N. Y.	
L. RABBET PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
M. ROUTING PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
N. SLITTING PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
O. VENETIAN BLIND PLANES.	Auburn Tool Co., Auburn, N. Y.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Gage Tool Co., Vineland, N. J.	
	Ohio Tool Co., Columbus, O.	*207
	Sandusky Tool Co., Sandusky, O.	*210
1703. PLIERS.	Bemis & Call Hardware & Tool Co., Springfield, Mass.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	C. S. Osborne & Co., Newark, N. J.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Standard Tool Co., Athol, Mass.	
	F. R. Woodward, Hill, N. H.	
A. COMBINATION PLIERS.	Billings & Spencer Co., Hartford, Conn.	*103
	J. M. King & Co., Waterford, N. Y.	
1704. PLUMB BOBS.	Darling, Browne & Sharp, Providence, R. I.	
	Dickson Mfg. Co., Scranton, Pa.	
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.	
	James L. Haven Co., 56 Plum St., Cincinnati, O.	
	Wm. Johnson, Newark, N. J.	
	C. S. Osborne & Co., Newark, N. J.	
	Tower & Lyon, 95 Chambers St., New York.	
A. ADJUSTABLE PLUMB BOBS.	Stanley Rule & Level Co., New Britain, Conn.	
1705. PLUMBERS' TOOLS.	G. C. Bailey & Co., Pittsburgh, Pa.	
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Wm. Johnson, Newark, N. J.	
	J. M. King & Co., Waterford, N. Y.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	C. S. Osborne & Co., Newark, N. J.	
	Standard Turning Works, Cambridgeport, Mass.	
A. PLUMBERS' FURNACES.	American Oil Stove Co., Gardner, Mass.	
	Patton Mfg. Co., Columbus, O.	
	John Savery's Son & Co., 97 Beekman St., New York.	
	Shepard Hardware Co., Forest Av. & Erie Canal, Buffalo, N.Y.	

	Standard Mfg. Co., Pittsburgh, Pa.	*49
B. PLUMBERS' LADLES.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.	
	John Savery's Son & Co., 97 Beekman St., New York.	
	Standard Mfg. Co., Pittsburgh, Pa.	*49
C. PLUMBERS' SAWS.	Richardson Bros., Newark, N. J.	
1706. PNEUMATIC MACHINERY.		
	Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.	
	P. H. & F. M. Roots Co., Connersville, Ind.	
A. PNEUMATIC TOOLS.	American Pneumatic Tool Co., 431 Eleventh Av., New York.	
1707. POLE & SHAFT MACHINERY.		
	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
1708. POLISHING & BUFFING MACHINES.		
A. BUFFING LATHES.	P. Pryibil, 524 W. 41st St., New York.	*152
	Standard Emery Wheel Co., Albany, N. Y.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
	Watson & Stillman, 204 E. 43d St., New York.	
B. BUFFING MACHINES, SHOE.	Globe Buffer Co., 110 Lincoln St., Boston, Mass.	
C. BUFFING & POLISHING WHEELS.	Chas. N. Bacon, 52 Federal St., Boston, Mass.	
	Ellis Thayer, Pawtucket, R. I.	*64
	Radial Thread Buff Co., S. Windham, Conn.	
	Standard Emery Wheel Co., Albany, N. Y.	
	Tingue, House & Co., 56 Reade St., N. Y.	*28
	Watson & Stillman, 204 E. 43d St., New York.	
D. POLISHING MACHINES.	W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.	
	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	Gould & Eberhardt, Newark, N. J.	
	Standard Emery Wheel Co., Albany, N. Y.	
	Watson & Stillman, 204 E. 43d St., New York.	
E. PORTABLE POLISHING MACHINES.	Stow Flexible Shaft Co., Ltd., N. 26th & Callowhill Sts., Phila., Pa.	
F. POLISHERS' TOOLS.	F. W. Gesswein, 39 John St., New York.	
G. STONE POLISHING MACHINES.	Concord Axle Co., Penacock, N. H.	
1709. POTTERS' MACHINERY.		
	Duncan Mackenzie, Trenton, N. J.	*118
	Taplin, Rice & Co., Akron, O.	
	Webster Camp & Lane Machine Co., Akron, O.	*258–61
A. POWER POTTERY WHEELS.	Elmer E. Cline, Alliance, O.	
1710. POWDER MILL TOOLS.	Phospor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
A. GUNPOWDER PUNCHES.	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
1711. POWER FITTINGS, SEWING MACHINE.		
	Singer Mfg. Co., 385 Broadway, New York.	*214
	Standard Sewing Machine Co., Cleveland, O.	
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.	
1712. PRESSES.		
A. BOOKBINDERS' PRESSES.	G. H. Bushnell Co., Thompsonville, Conn.	
B. FOOT PRESSES.	John Adt & Son, New Haven, Conn.	
	Blake & Johnson, Waterbury, Conn.	
	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	Ferracute Machine Co., Bridgeton, N. J.	
	Gould & Eberhardt, Newark, N. J.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.	
	Pierce & Noble, Newark, N. J.	
	Pratt & Whitney Co., Hartford, Conn.	
	F. P. Rosback, 41 S. Canal St., Chicago, Ill.	
	Edwin B. Stimpson & Son, 31 Spruce St., New York.	*222
	Stiles & Parker Press Co., Middletown, Conn.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
	F. Wesel Mfg. Co., 11 Spruce St., New York.	
C. HAND PRESSES.	B. B. Beardsley, Waterville, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
	Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.	
	Edwin B. Stimpson & Son, 31 Spruce St., N. Y.	*222
D. HYDRAULIC PRESSES.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Betts Machine Co., Wilmington, Del.	
	Birmingham Iron Foundry, Birmingham, Conn.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Cardwell Machine Co., Richmond, Va.	
	Cleveland Machine Works, Worcester, Mass.	
	Crews & Westbrook, Danville, Va.	
	Dickson Mfg. Co., Scranton, Pa.	
	R. Dudgeon, 24 Columbia St., New York.	
	Gould & Eberhardt, Newark, N. J.	

Granger Foundry & Machine Co., Providence, R. I.
Holyoke Machine Co., Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Lowell Machine Shop, Lowell, Mass.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
Niles Tool Works, Hamilton, O. *180-9
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Phenix Iron Foundry, Providence, R. I.
Phœnix Iron Co., Trenton, N. J.
Robt. Poole & Son Co., Baltimore, Md. *132
Portland Company, Portland, Me.
John Robertson & Co., 127 Water St., Brooklyn, N. Y.
Smith & Vaile Co., Dayton, O.
B. Stanbach, 235 Greenwich St., New York.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Walker Mfg. Co., Cleveland, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Waterbury Machine Co., Waterbury, Conn.
Watson & Stillman, 204 E. 43d St., New York.

E. LEVER PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.
Gould & Eberhardt, Newark, N. J.
Pierce & Noble, Newark, N. J.
Walker Mfg. Co., Cleveland, O.

F. PENDULUM PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.

G. POWER PRESSES.
John Adt & Co., New Haven, Conn.
Blake & Johnson, Waterbury, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Geo. H. Eaton & Co., 8 Washington Av., Boston, Mass.
Ferracute Machine Co., Bridgeton, N. J.
Gould & Eberhardt, Newark, N. J.
Niagara Stamping & Tool Co., Buffalo, N. Y.
Pierce & Noble, Newark, N. J.
Pratt & Whitney Co., Hartford, Conn.
Progress Mfg. Co., Meridian, Miss.
F. P. Rosbach, 41 S. Canal St., Chicago, Ill.
J. S. & G. F. Simpson, 26 Rodney St., Brooklyn, N. Y.
B. Stanbach, 235 Greenwich St., New York.
Stiles & Parker Press Co., Middletown, Conn.
Edwin B. Stimpson & Son, 31 Spruce St., New York. *222
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Willets Machine Co., Providence, R. I.

H. SCREW PRESSES.
John Adt & Son, New Haven, Conn.
American Saw Co., Trenton, N. J.
W. F. & John Barnes Co., 853 Ruby St., Rockford, Ill.
Birmingham Iron Foundry, Birmingham, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.
Ferracute Machine Co., Bridgeton, N. J.
Gould & Eberhardt, Newark, N. J.
Granger Foundry & Machine Co., Providence, R. I.
Knowles Loom Works, Worcester, Mass. *175
E. M. Lang & Co., Portland, Me.
Pierce & Noble, Newark, N. J.
Pratt & Whitney Co., Hartford, Conn.
F. P. Rosback, 41 S. Canal St., Chicago, Ill.
B. Stanbach, 235 Greenwich St., New York.
Edwin B. Stimpson & Son, 31 Spruce St., New York. *222
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

I. TOGGLE JOINT PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Gould & Eberhardt, Newark, N. J.
B. Stanbach, 235 Greenwich St., New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

1713. PRESSES (COMPRESSOR).

A. BALING PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
B. B. Beardsley, Waterville, N. Y.
Benicia Agricultural Works, Benicia, Cal.
Boomer & Boschert Press Co., Syracuse, N. Y.

G. H. Bushnell Co., Thompsonville, Conn.
Cardwell Machine Co., Richmond, Va.
George Ertel & Co., Quincy, Ill.
Famous Mfg Co., 30 W. Randolph St., Chicago, Ill.
A. B. Farquhar & Co., York, Pa.
Flato & Smith, Kansas City, Mo.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
James L. Haven Co., 56 Plum St., Cincinnati, O.
Kansas City Hay Press Co., Kansas City, Mo.
Henry C. Lazelle, Woonsocket, R. I.
George R. Lombard & Co., Augusta, Ga.
Price Hay Press Co., San Leandro, Cal.
Progress Mfg. Co., Meridian, Miss.
San José Agricultural Works, San José, Cal.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116
B. Stanbach, 235 Greenwich St., New York.
Stockton Combined Harvester & Agric. Works, Stockton, Cal.
Truman, Hooker & Co., San Francisco, Cal.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Wrenn, Whitehurst & Co., Norfolk, Va.

B. BROOM CORN PRESSES.
Cardwell Machine Co., Richmond, Va.
G. D. Colton & Co., Galesburg, Ill.

C. CLOTH PRESSES.
G. H. Bushnell Co., Thompsonville, Conn.

D. COTTON PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
Barbour Machine Works, Anniston, Ala.
Boomer & Boschert Press Co., Syracuse, N. Y.
Brennan & Co., Louisville, Ky.
G. H. Bushnell Co., Thompsonville, Conn.
Cardwell Machine Co., Richmond, Va.
Cheraw Iron Works, Cheraw, S. C.
R. D. Cole Mfg. Co., Newnan, Ga.
H. Dudley Coleman & Co., New Orleans, La.
George Ertel & Co., Quincy, Ill.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Hackett, Medlen & Co., Hackett, Ark.
W. Herrick, Northampton, Mass.
Ivens & Son Machine Co., New Decatur, Ala.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Lebanon Mfg. Co., Lebanon, Pa.
Liddell Co., Charlotte, N. C.
Livermore Foundry & Machine Co., Memphis, Tenn.
George R. Lombard & Co., Augusta, Ga.
Mecklenburg Iron Works, Charlotte, N. C.
Milburn Gin & Machine Co., Memphis, Tenn.
Munger Improved Cotton Machine Mfg. Co., Dallas, Tex.
Progress Mfg. Co., Meridian, Miss.
John E. Randle & Co., Memphis, Tenn.
Reading Iron Co., Reading, Pa.
Reynolds Iron Works, New Orleans, La.
St. Louis Iron & Machine Works, 1001 S. Main St., St. Louis, Mo.
Schofield Iron Works, Macon, Ga.
Southern Agricultural Works, Atlanta, Ga.
N. Stedman, Aurora, Ind.
S. B. Steers & Co., Cotton Exchange, New Orleans, La.
Texas Cotton Press Co., Dallas, Tex.
Valk & Murdock Iron Works, Charlestown, S. C.
Van Winkle Gin & Machine Co., Atlanta, Ga.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
West Point Foundry & Machine Works, West Point, Ga.
Winship Machine Co., Atlanta, Ga.
Wrenn, Whitehurst & Co., Norfolk, Va.

E. COTTON PRESS INDICATORS.
Albany Agricultural & Machine Works, Albany, N. Y.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.

F. COTTON PRESSES, SELF-PACKING.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.

G. DRUG PRESSES.
G. H. Bushnell Co., Thompsonville, Conn.

H. FISH SCRAP PRESSES.
G. H. Bushnell Co., Thompsonville, Conn.

I. HAIR PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
B. B. Beardsley, Waterville, N. Y.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.

J. HAY PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
Benicia Agricultural Works, Benicia, Cal.
Brennan & Co., Louisville, Ky.
Cardwell Machine Co., Richmond, Va.
George Ertel & Co., Quincy, Ill.

Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.
Farmers' Friend Mfg. Co., Dayton, O.
A. B. Farquhar & Co., York, Pa.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
James L. Haven Co., 56 Plum St., Cincinnati, O.
Kansas City Hay Press Co., Kansas City, Mo.
Price Hay Press Co., San Leandro, Cal.
Progress Mfg. Co., Meridian, Miss.
Sandwich Mfg. Co., Sandwich, Ill.
San José Agricultural Works, San José, Cal.
Sherman Iron Works, Sherman, Tex.
Stockton Combined Harvester & Agric. Works, Stockton, Cal.
J. M. Tichenor, Irvington, N. J.
Truman, Hooker & Co., 412 Market St., San Francisco, Cal.
Valk & Murdock Iron Works, Charleston, S. C.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Wrenn, Whitehurst & Co., Norfolk, Va.

K. HEMP PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.

L. HERB PRESSES.
B. B. Beardsley, Waterville, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.

M. HIDE PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Famous Mfg. Co., 30 W. Randolph St., Chicago, Ill.

N. HOP PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
B. B. Beardsley, Waterville, N. Y.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Price Hay Press Co., San Leandro, Cal.
B. Stanbach, 235 Greenwich St., New York.

O. HYDRAULIC BALING PRESSES.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Cardwell Machine Co., Richmond, Va.
Millburn Gin & Machine Co., Memphis, Tenn.

P. LEATHER PRESSES.
B. B. Beardsley, Waterville, N. Y.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
B. Stanbach, 235 Greenwich St., New York.

Q. MOSS PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
George Ertel & Co., Quincy, Ill.

R. RAG PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
B. B. Beardsley, Waterville, N. Y.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.

S. SHAVING PRESSES.
G. H. Bushnell Co., Thompsonville, Conn.

T. TOBACCO PRESSES.
Boomer & Boschert Press Co., Syracuse, N. Y.
Hydraulic Press Co., Mt. Gilead, O.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
New York Tobacco Machine Co., 123 Pearl St., New York.
Smith & Vaile Co., Dayton, O.
I. S. Spencer's Sons, Guilford, Conn.

U. WOOL PRESSES.
Albany Agricultural & Machine Works, Albany, N. Y.
B. B. Beardsley, Waterville, N. Y.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Cardwell Machine Co., Richmond, Va.
George Ertel & Co., Quincy, Ill.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Price Hay Press Co., San Leandro, Cal.

V. YARN PRESSES.
G. H. Bushnell Co., Thompsonville, Conn.
Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.

1714. PRESSES (EXPRESSOR).

A. CIDER PRESSES.
Advance Mfg. Co., Hamilton, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Boomer & Boschert Press Co., Syracuse, N. Y.
Brennan & Co., Louisville, Ky.
Defiance Machine Works, Defiance, O.
A. B. Farquhar & Co., York, Pa.
Hauck & Comstock, Mechanicsburg, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Hocking Valley Mfg. Co., Lancaster, O.
Hydraulic Press Co., Mount Gilead, O.
Keystone Mfg. Co., Sterling, Ill.

	Klotz & Kromer Machine Co., Sandusky, O.	
	Look & Lincoln, Marion, Va.	
	P. P. Mast & Co., Springfield, O.	
	Ewald Over, Indianapolis, Ind.	
	Sandusky Machine & Agricultural Works, Sandusky, O.	
	Silver Mfg. Co., Salem, O.	*205
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
	B. Stanbach, 235 Greenwich St., New York.	
	Sucker State Drill Co., Belleville, Ill.	
	Superior Drill Co., Springfield, O.	
	Thomas & Albright, Goshen, Ind.	
	Tiffin Agricultural Works, Tiffin, O.	
	Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.	
B. CLAY FILTER PRESSES.	G. H. Bushnell Co., Thompsonville, Conn.	
C. COTTON SEED OIL PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Smith & Vaile Co., Dayton, O.	
D. FILTER PRESSES.	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.	
	Hendrick Mfg. Co., Ltd., Carbondale, Pa.	
	Henry G. Morris, 926 Drexel Bldg., Philadelphia, Pa.	
	Smith & Vaile Co., Dayton, O.	
E. FRUIT PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Philadelphia, Pa.	
	Paine, Diehl & Co., 1430 S. Pennsylvania Sq., Philadelphia, Pa.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
F. LARD PRESSES.	Ames Plow Co., Quincy Hall, Boston, Mass.	
	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Philadelphia, Pa.	
	A. B. Farquhar & Co., York, Pa.	
	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
	Hocking Valley Mfg. Co., Lancaster, O.	
	Hydraulic Press Co., Mount Gilead, O.	
	P. P. Mast & Co., Springfield, O.	
	Murray Iron Works Co., Burlington, Iowa.	
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.	
	Rutschman Bros., Berks & N. 5th Sts., Philadelphia, Pa.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Silver Mfg. Co., Salem, O.	*205
	Smith & Vaile Co., Dayton, O.	
	B. Stanbach, 235 Greenwich St., New York.	
G. MANDIOCA PRESSES.	Silver Mfg. Co., Salem, O.	*205
H. OIL PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Smith & Vaile Co., Dayton, O.	
	B. Stanbach, 235 Greenwich St., New York.	
I. OIL PRESSES, HYDRAULIC.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	John E. Randle & Co., Memphis, Tenn.	
	Smith & Vaile Co., Dayton, O.	
J. OLEOMARGARINE PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
K. PARAFFINE OIL PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Fairmount Machine Co., 22d & Wood Sts., Philadelphia, Pa.	
	Smith & Vaile Co., Dayton, O.	
L. PARAFFINE WAX PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Smith & Vaile Co., Dayton, O.	
M. RAISIN PRESSES.	Thomas & Albright, Goshen, Ind.	
N. TALLOW PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Murray Iron Works Co., Burlington, Iowa.	
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.	
O. TINCTURE PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.	
	G. H. Bushnell Co., Thompsonville, Conn.	
	Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.	
	W. O. Hickok Mfg. Co., Harrisburg, Pa.	*204
P. VARNISH FILTER PRESSES.	G. H. Bushnell Co., Thompsonville, Conn.	
Q. WHITE LEAD FILTER PRESSES.	G. H. Bushnell Co., Thompsonville, Conn.	

R. WINE PRESSES.
Ames Plow Co., Quincy Hall, Boston, Mass.
Boomer & Boschert Press Co., Syracuse, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
A. B. Farquhar & Co., York, Pa.
Hauck & Comstock, Mechanicsburg, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Hydraulic Press Co., Mount Gilead, O.
Klotz & Kromer Machine Co., Sandusky, O.
F. W. Krogh & Co., San Francisco, Cal.
Ewald Over, Indianapolis, Ind.
Sandusky Machine & Agricultural Works, Sandusky, O.
Sucker State Drill Co., Belleville, Ill.
Thomas & Albright, Goshen, Ind.

S. WOOD PULP PRESSES.
G. H. Bushnell Co., Thompsonville, Conn.

1715. PRESSES, SHEET METAL WORKING.

A. CUTTING PRESSES.
Birmingham Iron Foundry, Birmingham, Conn.
Blake & Johnson, Waterbury, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. H. Bushnell Co., Thompsonville, Conn.
Ferracute Machine Co., Bridgeton, N. J.
E. M. Lang & Co., Portland, Me.

B. DRAWING PRESSES.
Birmingham Iron Foundry, Birmingham, Conn.
Blake & Johnson, Waterbury, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Ferracute Machine Co., Bridgeton, N. J.
Pratt & Whitney Co., Hartford, Conn.
Stiles & Parker Press Co., Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

C. EMBOSSING PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson & Stillman, 204 E. 43d St., New York.

D. REDUCING PRESSES.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Stiles & Parker Press Co., Middletown, Conn.

E. STAMPING PRESSES.
Bellaire Stamping Co., Bellaire, O.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
J. De Beauvais, 2 Howard St., New York.
A. H. Merriam, Meriden, Conn.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Stiles & Parker Press Co., Middletown, Conn.

F. TRIMMING PRESSES.
Lowell Machine Shop, Lowell, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.

1716. PRESSURE REGISTERS.

A. GAS PRESSURE REGISTERS.
American Meter Co., 177 Elm St., Cincinnati, O.
Helme & McIlhenney, 1339 Cherry St., Philadelphia, Pa.
D. McDonald & Co., Albany, N. Y.
Nathaniel Tufts, 153 Franklin St., Boston, Mass.

B. VACUUM PRESSURE REGISTERS.
American Meter Co., 177 Elm St., Cincinnati, O.
D. McDonald & Co., Albany, N. Y.

1717. PRESSURE REGULATORS.

A. AIR PRESSURE REGULATORS.
Curtis Regulator Co., 63 Beverly St., Boston, Mass.
Mason Regulator Co., 10 Central St., Boston, Mass.
Ross Valve Co., Troy, N. Y.

B. GAS PRESSURE REGULATORS.
Ross Valve Co., Troy, N. Y.
Union Water Meter Co., Worcester, Mass.

C. WATER PRESSURE REGULATORS.
Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass. *128
Curtis Regulator Co., 63 Beverly St., Boston, Mass.
Haydenville Mfg. Co., 73 Beekman St., New York.
Mason Regulator Co., 10 Central St., Boston, Mass.
Mueller Mfg. Co., Decatur, Ill.
Ross Valve Co., Troy, N. Y.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
Worthington Pumping Engine Co., 145 Broadway, N. Y. *241

1718. PRINTERS' MACHINERY.

A. BAG PRINTING PRESSES.
Campbell Printing Press & Mfg. Co., Taunton, Mass.
C. B. Cottrell & Sons, 8 Spruce St., New York.
Cranston Printing Press Co., Norwich, Conn.

B. BANK NOTE PRESSES.
Gould & Eberhardt, Newark, N. J.

C. BOOK PRINTING PRESSES.
Babcock Printing Press Mfg. Co., New London, Conn.
Campbell Printing Press & Mfg. Co., Taunton, Mass.
C. B. Cottrell & Sons, 8 Spruce St., New York.

	Cranston Printing Press Co., Norwich, Conn.
	Duplex Printing Press Co., Battle Creek, Mich.
	R. Hoe & Co., 504 Grand St., New York.
	Huber Printing Press Co., Taunton, Mass. *206
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
	Miehle Printing Press & Mfg. Co., 215 Dearborn St., Chicago, Ill.
	Walter Scott & Co., Plainfield, N. J.
D. BOX PRINTING PRESSES.	Campbell Printing Press & Mfg. Co., Taunton, Mass.
	Cranston Printing Press Co., Norwich, Conn.
E. BRONZING & DUSTING MACHINES.	Emmerich & Vonderlehr, 191 Worth St., New York.
F. CARD PRINTING PRESSES.	Cranston Printing Press Co., Norwich, Conn.
	Globe Mfg. Co., 44 Beekman St., New York.
	R. Hoe & Co., 504 Grand St., New York.
	Kelsey Press Co., Meriden, Conn.
	Liberty Machine Works, 54 Frankfort St., New York.
G. CYLINDER PRINTING PRESSES.	Campbell Printing Press & Mfg. Co., Taunton, Mass.
	Child Acme Cutter & Press Co., 64 Federal St., Boston, Mass.
	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	C. B. Cottrell & Sons, 8 Spruce St., New York.
	Cranston Printing Press Co., Norwich, Conn.
	R. Hoe & Co., 504 Grand St., New York.
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
	C. Potter, Jr., & Co., Plainfield, N. J.
	Walter Scott & Co., Plainfield, N. J.
	W. G. Walker & Co., Madison, Wis.
	Whitlock Machine Co., Birmingham, Conn.
H. JOB PRESSES.	J. E. Braunsdorf & Co., Pearl River, N. Y.
	Chandler & Price, Cleveland, O.
	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	J. F. W. Dorman & Co., 217 E. German St., Baltimore, Md.
	Globe Mfg. Co., 44 Beekman St., New York.
	Golding & Co., 177 Fort Hill Sq., Boston, Mass.
	Gordon Press Works, Rahway, N. J.
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
	H. H. Latham, 304 Dearborn St., Chicago, Ill.
	Liberty Machine Works, 54 Frankfort St., New York.
	Miehle Printing Press & Mfg. Co., 215 Dearborn St., Chicago, Ill.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Palmer & Rey, San Francisco, Cal.
	Geo. W. Prouty & Co., 620 Atlantic Av., Boston, Mass.
	Martin Rau, 39 Centre St., New York.
	W. G. Walker & Co., Madison, Wis.
I. JOB PRESSES, CYLINDER.	Campbell Printing Press & Mfg. Co., Taunton, Mass.
	C. B. Cottrell & Sons, 8 Spruce St., New York.
	R. Hoe & Co., 504 Grand St., New York.
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
	Liberty Machine Works, 54 Frankfort St., New York.
	W. G. Walker & Co., Madison, Wis.
J. JOB PRESSES, FOOT POWER.	Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
	Golding & Co., 177 Fort Hill Sq., Boston, Mass.
	Gordon Press Works, Rahway, N. J.
	P. J. Jennings, 733 1st Av., New York.
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
	Liberty Machine Works, 54 Frankfort St., New York.
K. LEVER HAND PRESSES.	R. Hoe & Co., 504 Grand St., New York.
L. LITHOGRAPHIC PRESSES.	Babcock Printing Press Mfg. Co., New London, Conn.
	Campbell Printing Press & Mfg. Co., Taunton, Mass.
	C. B. Cottrell & Sons, 8 Spruce St., New York.
	Walter Scott & Co., Plainfield, N. J.
M. LITHOGRAPHIC PRESSES, HAND.	Howard Iron Works, Buffalo, N. Y.
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
N. MAILING MACHINES.	Robert Dick, Buffalo, N. Y.
	R. Hoe & Co., 504 Grand St., New York.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	W. G. Walker & Co., Madison, Wis.
O. MONOGRAM PRESSES.	H. H. Latham, 304 Dearborn St., Chicago, Ill.
	Martin Rau, 39 Centre St., New York.
	F. P. Rosback, 41 S. Canal St., Chicago, Ill.
P. NEWSPAPER PRESSES.	Campbell Printing Press & Mfg. Co., Taunton, Mass.
	C. B. Cottrell & Sons, 8 Spruce St., New York.
	Cranston Printing Press Co., Norwich, Conn.
	Duplex Printing Press Co., Battle Creek, Mich.
	R. Hoe & Co., 504 Grand St., New York.
	Kidder Press Mfg. Co., 34 Norfolk Av., Boston, Mass.

		Walter Scott & Co., Plainfield, N. J.	
Q.	PAD PRESSES.	Chas. M. Cott, Columbus, O.	
		Golding & Co., 177 Fort Hill Square, Boston, Mass.	
R.	PERFECTING TICKET PRESSES.	Dickinson & Osborn, Belleville, N. J.	
S.	PLATE PRINTING PRESSES.	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.	
T.	PONY PRINTING PRESSES.	Babcock Printing Press Mfg. Co., New London, Conn.	
		Campbell Printing Press & Mfg. Co., Taunton, Mass.	
		Cranston Printing Press Co., Norwich, Conn.	
		Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.	
		Whitlock Machine Co., Birmingham, Conn.	
U.	PRINTING PRESS CHASES.	Babcock Printing Press Mfg. Co., New London, Conn.	
		Chandler & Price, Cleveland, O.	
		Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.	
		C. B. Cottrell & Sons, 8 Spruce St., New York.	
		R. Hoe & Co., 504 Grand St., New York.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		F. Wesel Mfg. Co., 11 Spruce St., New York.	
V.	PRINTING PRESS COUNTERS.	Campbell Printing Press & Mfg. Co., Taunton, Mass.	
		W. N. Durant, Milwaukee, Wis.	
W.	PRINTING PRESS FEED GUIDES.	Edward L. Megill, 60 Duane St., New York.	
X.	PRINTING PRESS GAUGE PINS.	Edward L. Megill, 60 Duane St., New York.	
Y.	PROOF PRESSES.	Chandler & Price, Cleveland, O.	
		R. Hoe & Co., 504 Grand St., New York.	
		Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
		Morgans & Wilcox Mfg. Co., Middletown, N. Y.	
		St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.	
		F. Wesel Mfg. Co., 11 Spruce St., New York.	
Z.	SHEET PERFECTING PRINTING PRESSES.	Huber Printing Press Co., Taunton, Mass.	*206
AA.	STOP CYLINDER PRESSES.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
		Duplex Printing Press Co., Battle Creek, Mich.	
BB.	TICKET PRINTING PRESSES.	Cranston Printing Press Co., Norwich, Conn.	
		R. Hoe & Co., 504 Grand St., New York.	
		Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.	
CC.	TWO COLOR PRESSES.	Campbell Printing Press & Mfg. Co., Taunton, Mass.	
		C. B. Cottrell & Sons, 8 Spruce St., New York.	
		Huber Printing Press Co., Taunton, Mass.	*206
DD.	TWO REVOLUTION PRESSES.	Babcock Printing Press Mfg. Co., New London, Conn.	
		Campbell Printing Press & Mfg. Co., Taunton, Mass.	
		C. B. Cottrell & Sons, 8 Spruce St., New York.	
		Cranston Printing Press Co., Norwich, Conn.	
		Miehle Printing Press & Mfg. Co., 215 Dearborn St., Chicago, Ill.	
EE.	VARNISHING MACHINES.	Campbell Printing Press & Mfg. Co., Taunton, Mass.	
FF.	WASHINGTON HAND PRESSES.	R. Hoe & Co., 504 Grand St., New York.	
		H. H. Latham, 304 Dearborn St., Chicago, Ill.	
GG.	WEB PERFECTING PRESSES.	Duplex Printing Press Co., Battle Creek, Mich.	
		R. Hoe & Co., 504 Grand St., New York.	
		Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.	
		Walter Scott & Co., Plainfield, N. J.	
HH.	ZINCOGRAPHIC PRINTING PRESSES.	Huber Printing Press Co., Taunton, Mass.	*206

1719. PRINTERS' TOOLS.

A.	BENZINE CANS.	R. Hoe & Co., 504 Grand St., New York.	
B.	BODKINS.	R. Hoe & Co., 504 Grand St., New York.	
		F. Wesel Mfg. Co., 11 Spruce St., New York.	
		H. A. Williams Mfg. Co., Taunton, Mass.	*52
C.	COMPOSING STICKS.	R. Hoe & Co., 504 Grand St., New York.	
		Liberty Machine Works, 54 Frankfort St., New York.	
		Morgans & Wilcox Mfg. Co., Middletown, N. Y.	
		S. Simons & Co., 13 N. Elizabeth St., Chicago, Ill.	
		F. Wesel Mfg. Co., 11 Spruce St., New York.	
D.	CURVING MACHINES.	F. A. Ringler Co., 21 Barclay St., New York.	*255
E.	GALLEYS.	R. Hoe & Co., 504 Grand St., New York.	
		Liberty Machine Works, 54 Frankfort St., New York.	
		St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.	
		S. Simons & Co., 13 N. Elizabeth St., Chicago, Ill.	
		Walker & Bresnan, 205 William St., New York.	
		Heber Wells, 8 Spruce St., New York.	
		F. Wesel Mfg. Co., 11 Spruce St., New York.	
F.	INKING BALLS	R. Hoe & Co., 504 Grand St., New York.	
G.	INK BRAYERS.	R. Hoe & Co., 504 Grand St., New York.	
		F. Wesel Mfg. Co., 11 Spruce St., New York.	

H. LEAD & SLUG MOULDS.	Mather Mfg. Co., 736 Sansom St., Philadelphia, Pa.
I. MITERING MACHINES.	Chandler & Price, Cleveland, O.
	R. Hoe & Co., 504 Grand St., New York.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	H. H. Thorp Mfg. Co., Cleveland, O.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
J. PRINTERS' KNIVES.	O. W. Bullock & Co., Springfield, Mass.
	R. Hoe & Co., 504 Grand St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
K. PRINTERS' MALLETS.	Hamilton Mfg. Co., Two Rivers, Wis.
	R. Hoe & Co., 504 Grand St., New York.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Heber Wells, 8 Spruce St., New York.
	Williams & Marvin, Deep River, Conn.
L. PRINTERS' MITRE BOXES.	R. Hoe & Co., 504 Grand St., New York.
	Walker & Bresnan, 205 William St., New York.
	Heber Wells, 8 Spruce St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
M. PRINTERS' PLANERS.	Hamilton Mfg. Co., Two Rivers, Wis.
	R. Hoe & Co., 504 Grand St., New York.
	Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Walker & Bresnan, 205 William St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
N. PRINTERS' RULES.	O. W. Bullock & Co., Springfield, Mass.
	R. Hoe & Co., 504 Grand St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
O. PRINTERS' SAWS.	C. Schraubstadter, Jr., 305 N. 3d St., St. Louis, Mo.
P. PRINTERS' TWEEZERS.	O. W. Bullock & Co., Springfield, Mass.
	R. Hoe & Co., 504 Grand St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
Q. RULE & LEAD CUTTERS.	C. R. Carver, Canal & N. 3d Sts., Philadelphia, Pa.
	R. Hoe & Co., 504 Grand St., New York.
	MacKellar, Smiths & Jordan Co., 612 Sansom St., Phila., Pa.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
R. SHOOTING STICKS.	Chandler & Price, Cleveland, O.
	Golding & Co., 177 Fort Hill Sq., Boston, Mass.
	R. Hoe & Co., 504 Grand St., New York.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Walker & Bresnan, 205 William St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
S. SIDE & FOOT STICKS.	Walker & Bresnan, 205 William St., New York.
T. SLICE GALLEYS.	R. Hoe & Co., 504 Grand St., New York.
	Heber Wells, 8 Spruce St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
U. TYPE MEASURES.	Walker & Bresnan, 205 William St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.

1720. PRODUCE SAMPLERS.

A. BUTTER SPADES.	Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	Nichols Bros., Bernardston, Mass.
	August Nittinger, 826 N. 4th St., Philadelphia, Pa.
	John Russell Cutlery Co., Turner's Falls, Mass.
	E. R. Saxton, Buffalo, N. Y.
B. GRAIN SAMPLERS.	H. J. Deal Specialty Co., Bucyrus, O.
	Herman Kohlbusch, 59 Nassau St., New York.
	Webster Mfg. Co., South Canal St., Chicago, Ill.
C. HAM TRIERS.	Wm. Johnson, Newark, N. J.
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
	L. & I. J. White, Buffalo, N. Y.
D. LARD SPADES.	August Nittinger, 826 N. 4th St., Philadelphia, Pa.

1721. PROTRACTORS, BEVEL.

Standard Tool Co., Athol, Mass.
L. Starrett, Athol, Mass.

1722. PUNCHES.

A. BELT PUNCHES.	Humason & Beckley Mfg. Co., New Britain, Conn.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
B. BULL PUNCHES.	Humason & Beckley Mfg. Co., New Britain, Conn.
C. CENTER PUNCHES.	Cushman Chuck Co., Hartford, Conn.
	Elmwood Tool Co., Providence, R. I.
	Wm. Johnson, Newark, N. J.
D. HAND PUNCHES.	Fulton Iron & Engine Works, Detroit, Mich.
	Niagara Stamping & Tool Co., Buffalo, N. Y.
	Rice Bros., Meadville, Pa.
	Stark Machine & Tool Co., Buffalo, N. Y. *248

	Watson & Stillman, 204 E. 43d St., New York.	
E. PIN PUNCHES.	Tuck Mfg. Co., Brockton, Mass.	
F. PRICK PUNCHES.	Elmwood Tool Co., Providence, R. I.	
	C. E. Jennings & Co., 81 Reade St., New York.	
	H. H. Mayhew & Co., Shelburne Falls, Mass.	
	Tuck Mfg. Co., Brockton, Mass.	
G. SPRING PUNCHES.	Bemis & Call Hardware & Tool Co., Springfield, Mass.	
	C. S. Osborne & Co., Newark, N. J.	
H. SQUARE PUNCHES.	Detroit Steel & Spring Co., Detroit, Mich.	
I. STEEL PUNCHES.	Atha Tool Co., Newark, N. J.	*82
	Iwan Bros., Streator, Ill.	
	Whitman & Barnes Mfg. Co., Syracuse, N. Y.	
	Williams, White & Co., Moline, Ill.	
1723. PUNCHES & DIES.	Abbott Machine Co., 47 S. Canal St., Chicago, Ill.	
	Avery & Burton, 42 S. Clinton St., Chicago, Ill.	
	John Becker, 157 Pearl St., Boston, Mass.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
A. DIES.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	John Becker, 157 Pearl St., Boston, Mass.	
	Billings & Spencer Co., Hartford, Conn.	*103
	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
	Ferracute Machine Co., Bridgeton, N. J.	
	Hoggson & Pettis Mfg. Co., New Haven, Conn.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Pittsburgh Steel Casting Co., Pittsburgh, Pa.	
	Pratt & Whitney Co., Hartford, Conn.	
	Stiles & Parker Press Co., Middletown, Conn.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
B. DIE DOGS.	Putnam Machine Co., Fitchburg, Mass.	
C. STENCIL DIES.	Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.	
	Hoggson & Pettis Mfg. Co., New Haven, Conn.	
	New York Stencil Works, 100 Nassau St., New York.	
1724. QUILTERS.	R. H. Brown & Co., New Haven, Conn.	
1725. RAILROAD TOOLS.		
A. COMBINED TRACK GAUGE & LEVEL.	Buda Foundry & Mfg. Co., Buda, Ill.	
B. LINING & TAMPING BARS.	Atha Tool Co., Newark, N. J.	*82
	Abner Doble Co., San Francisco, Cal.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
	Troy Steel & Iron Co., Troy, N. Y.	
C. RAIL TONGS.	Atha Tool Co., Newark, N. J.	*82
	Detroit Steel & Spring Co., Detroit, Mich.	
	Dickson Mfg. Co., Scranton, Pa.	
	Abner Doble Co., San Francisco, Cal.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
	Troy Steel & Iron Co., Troy, N. Y.	
D. RAILROAD MAULS.	Atha Tool Co., Newark, N. J.	*82
	Buffalo Hammer Co., Buffalo, N. Y.	
	Collins Co., Collinsville, Conn.	
	C. Hammond & Son, Ogontz, Pa.	
	Hartford Hammer Co., Hartford, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
	Vaughan & Bushnell Mfg. Co., Carroll Av., Chicago, Ill.	
E. RAILROAD PICKS.	Atha Tool Co., Newark, N. J.	*82
	Findlay Rolling Mill Co., Findlay, O.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Pedrick & Ayer, 1001 Hamilton S.t, Philadelphia, Pa.	
F. RAILROAD SHOVELS.	Geo. Griffiths Co., 513 Locust St., Philadelphia, Pa.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
	St. Louis Shovel Co., Duncan Av. near Vandeventer, St. Louis, Mo.	
G. RAILROAD SLEDGES.	Atha Tool Co., Newark, N. J.	*82
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
H. RAILROAD TRACK PUNCHES.	Atha Tool Co., Newark, N. J.	*82
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.	
I. SPIKE EXTRACTORS.	Atha Tool Co., Newark, N. J.	*82
	H. H. Harvey, 116 High St., Boston, Mass.	
J. STEEL RAIL SAWS.	Industrial Works, Bay City, Mich.	
K. TRACK CHISELS.	Atha Tool Co., Newark, N. J.	*82

Buffalo Hammer Co., Buffalo, N. Y.
Collins Co., Collinsville, Conn.
Detroit Steel & Spring Co., Detroit, Mich.
Hartford Hammer Co., Hartford, Conn.
H. H. Harvey, 116 High St., Boston, Mass.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa

1726. RAILWAY SHOP SPECIAL TOOLS.

Pedrick & Ayer, 1001 Hamilton St,, Philadelphia, Pa.

1727. RASPS.

G. & H. Barnett, 21 Richmond St., Philadelphia, Pa.
Chatterton File Works, Providence, R. I.
Heller & Bros., Newark, N. J.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
J. S. Irwin File Works, Ltd., Rochester, N. Y.
Kearney & Foot Co., 102 Reade St., New York.
McCaffrey File Co., 1839 N. 5th St., Philadelphia, Pa.
McClellan File Co., E. Saginaw, Mich.
Madden & Cockayne File Co., Middletown, N. Y.
Nicholson File Co., Providence, R. I.
C. B. Paul, 467 Keap St., Brooklyn, N. Y.
Pennsylvania File Works, 1841 N. 5th St., Philadelphia, Pa.
J. Barton Smith Co., N. 4th & Somerset Sts., Philadelphia, Pa.
Western File Co., Beaver Falls, Pa.

A. HORSE RASPS.

Chatterton File Works, Providence, R. I.
Heller & Bros., Newark, N. J.
James L. Ingalsbe, S. Hartford, N. Y.
Kearney & Foot Co., 102 Reade St., New York.
Madden & Cockayne File Co., Middletown, N. Y.
Western File Co., Ltd., Beaver Falls, Pa.

1728. REAMERS.

A. ADJUSTABLE REAMERS.

American Standard Gauge & Tool Works, Wilmington, Del.
Cranston & Co., 57 Park St., New York.
French Adjustable Tool Co., Providence, R. I.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120

B. BIT BRACE REAMERS.

H. H. Mayhew & Co., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Standard Tool Co., Cleveland, O.
Wells Bros. & Co., Greenfield, Mass.

C. CENTER REAMERS.

S. W. Card & Co., Mansfield, Mass.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Standard Tool Co., Cleveland, O.
Wiley & Russell Mfg. Co., Greenfield, Mass.

D. EXPANSION REAMERS.

S. W. Card & Co., Mansfield, Mass.
Cleveland Twist Drill Co., Cleveland, O.
French Adjustable Tool Co., Providence, R. I.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120

E. LOCOMOTIVE WORK REAMERS.

Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Putnam Machine Co., Fitchburg, Mass.
Standard Tool Co., Cleveland, O.

F. REAMER HOLDERS.

Billings & Spencer Co., Hartford, Conn. *103

G. SHELL REAMERS.

American Standard Gauge & Tool Works, Wilmington, Del.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Putnam Machine Co., Fitchburg, Mass.
Standard Tool Co., Cleveland, O.

H. SQUARE REAMERS.

Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

I. TAPER PIN REAMERS.

Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Standard Tool Co., Cleveland, O.
Western Automatic Machine Co., Elyria, O.

J. TAPER REAMERS.

Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., Cleveland, O.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1729. REFRIGERATING MACHINERY.

A. COLD STORAGE PLANTS.

Harrisburg Ice Machine Co., Harrisburg, Pa.
N. Y. Ice & Cold Storage Co., 206 Fulton St., New York.

B. FREEZING ENGINES.

Delamater Iron Works, 21 Cortlandt St., New York.
Dickson Mfg. Co., Scranton, Pa.
Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
Fred. W. Wolf Co., 560 Halsted St., Chicago, Ill.

C. ICE MACHINES.

Arctic Ice Machine Mfg. Co., 25 Pike Bldg., Cincinnati, O.
Atlanta Machine Works, Atlanta, Ga.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Buffalo Refrigerator Machine Co., Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.

W. A. Case & Son, Buffalo, N. Y.
Columbus Iron Works Co., Columbus, Ga.
Consolidated Ice Machine Co., W. 18th St. viaduct, Chicago, Ill.
Delamater Iron Works, 21 Cortlandt St., New York.
L. Dermigny & Co., 126 W. 25th St., New York.
Frick Co., Waynesboro', Pa. *153
P. H. Glatfelter, Spring Forge, Pa.
Harrisburg Ice Machine Co., Harrisburg, Pa.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Hercules Iron Works, Aurora, Ill.
N. O. Nelson Mfg. Co., 8th & St. Charles Sts., St. Louis, Mo.
Rankin Refrigerator Machine Co., Philadelphia, Pa.
Richmond Ice Machine Co., Richmond, Va. *216
H. D. Stratton & Co., Columbus, Ga.
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Wm. Taylor & Son, 25 Adams St., Brooklyn, N. Y.
Wilson-Snyder Co., Buffalo, N. Y.
Fred. W. Wolf Co., 560 N. Halsted St., Chicago, Ill.

D. ICE MACHINE GAUGES. Standard Thermometer Co., Peabody, Mass.

E. REFRIGERATING MACHINES.
Arctic Ice Machine Mfg. Co., 26 Pike Bldg., Cincinnati, O.
Buffalo Refrigerator Machine Co., Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.
W. A. Case & Son, Buffalo, N. Y.
Delamater Iron Works, 21 Cortlandt St., New York.
Frick Co., Waynesboro', Pa. *153
W. T. Garratt & Co., San Francisco, Cal.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Reading Iron Co., Reading, Pa.
Risdon Iron & Locomotive Works, San Francisco, Cal.
H. D. Stratton & Co., Columbus, Ga.
Sulzer-Vogt Machine Co., Louisville, Ky. *168
Fred. W. Wolf Co., 560 N. Halsted St., Chicago, Ill.

1730. REPOUSSÉ TOOLS.
Elmwood Tool Co., Providence, R. I.

1731. RICE MACHINERY.

A. RICE CLEANERS.
Cardwell Machine Co., Richmond, Va.
Johnson & Field Co., Racine, Wis.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.

B. RICE HARVESTERS. Johnston Harvester Co., Batavia, N. Y.

C. RICE HULLERS. Geo. L. Squier Mfg. Co., Buffalo, N. Y.

D. RICE MILLING MACHINERY.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Valk & Murdock, Charleston, S. C.

E. RICE POLISHERS. Geo. L. Squier Mfg. Co., Buffalo, N. Y.

F. RICE SCOURERS. Geo. L. Squier Mfg. Co., Buffalo, N. Y.

G. RICE SEPARATORS. Geo. L. Squier Mfg. Co., Buffalo, N. Y.

H. RICE THRESHERS.
Cardwell Machine Co., Richmond, Va.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.
Valk & Murdock, Charleston, S. C.

1732. RIVET SETS.
Atha Tool Co., Newark, N. J.
C. S. Osborne & Co., Newark, N. J.

A. SELF-FEEDING TUBULAR RIVET SETS.
C. Drew & Co., Kingston, Mass.
John Royle & Sons, Paterson, N. J.
Standard Rivet Co., 105 Summer St., Boston, Mass.
Tubular Rivet Co., 55 Lincoln St., Boston, Mass.

1733. ROAD BUILDING MACHINERY.

A. ROAD GRADERS.
American Road Machine Co., Kennett Square, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av , Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Ewald Over, Indianapolis, Ind.
San José Agricultural Works, San José, Cal.
Tiffin Agricultural Works, Tiffin, O.

B. ROAD LEVELERS.
American Road Machine Co., Kennett Square, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

C. ROAD MACHINES.
American Road Machine Co., Kennett Square, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Fleming Mfg. Co , Ft. Wayne, Ind.
Griffin Road Machine Co., Elyria, O.
Tiffin Agricultural Works, Tiffin, O.

D. ROAD SCRAPERS.
American Road Machine Co., Kennett Square, Pa.
American Steel Scraper Co., Sidney, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
E. Bement & Sons, Lansing, Mich.

Benicia Agricultural Works, Benicia, Cal.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
J. L. McKeen, Ackworth, N. H.
Moline Plow Co., Moline, Ill.
Norwegian Plow Co., Dubuque, Iowa.
Syracuse Chilled Plow Co., Syracuse, N. Y.
J. Thompson & Sons, Ltd., Beloit, Wis.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

E. ROAD SCRAPERS, WHEELED.
American Road Machine Co., Kennett Square, Pa.
American Steel Scraper Co., Sidney, O.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Fay Mfg. Co., Elyria, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Sidney Steel Scraper Co., Sidney, O.
Weir Plow Co., Monmouth, Ill.

F. STEAM ROAD ROLLERS.
American Road Machine Co., Kennett Square, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.

1734. ROLLS.

A. CALICO PRINTERS' ROLLS.
T. & G. M. Stone, Newark, N. J.
Taunton Copper Mfg. Co., Taunton, Mass. *51

B. CHILLED ROLLS.
Black & Clawson Co., Hamilton, O. *200–3
Cyrus Currier & Sons, Newark, N. J.
Farrel Foundry & Machine Co., Ansonia, Conn.
Edward Gough, Allentown, Pa.
Johnson Foundry Co., Johnstown, Pa.
Kitson Machine Co., Lowell, Mass.
Leechburg Foundry & Machine Co., Pittsburgh, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
New Bedford Copper Co., New Bedford, Mass.
Phœnix Iron Co., Trenton, N. J.
Riverside Foundry Co., Cleveland, O.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

C. DRY SAND ROLLS.
Birmingham Iron Foundry, Birmingham, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
Riverside Foundry Co., Cleveland, O.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.
Totten & Hogg Iron & Steel Foundry Co., Pittsburgh, Pa.

D. EMBOSSING ROLLS.
T. & G. M. Stone, Newark, N. J.

E. ENGRAVED ROLLS.
Birmingham Iron Foundry, Birmingham, Conn.
T. & G. M. Stone, Newark, N. J.

F. GRAY IRON ROLLS.
Beloit Iron Works, Beloit, Wis.
Vulcan Iron Works, Wilkes Barre, Pa. *131

G. ROLL HOUSINGS.
Lobdell Car Wheel Co., Wilmington, Del.
Phœnix Iron Co., Trenton, N. J.

H. STEEL ROLLS.
Booth, Lloyd & Co., Youngstown, O.
A. Garrison Foundry Co., Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Robert Wetherill & Co., Chester, Pa.

1735. ROLLING PIN MACHINES.

C. O. & A. D. Porter, Grand Rapids, Mich.

1736. RUBBER HOSE MENDER IRONS.

M. D. Jones & Co., 76 Washington St., Boston, Mass.
Thomas Woodason, 451 E. Cambria St., Philadelphia, Pa.

1737. RUBBER MACHINERY.

Birmingham Iron Foundry, Birmingham, Conn.
Duncan Mackenzie, Trenton, N. J. *118
Phœnix Iron Co., Trenton, N. J.
Robt. Poole & Son Co., Baltimore, Md. *132
Smith, Winchester & Co., S. Windham, Conn.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

A. HAND ROLLERS & STITCHERS.
Hoggson & Pettis Mfg. Co., New Haven, Conn.

B. RUBBER KNIVES.
Wilbur Webster, East Jaffrey, N. H.

C. RUBBER MACHINERY ROLLS.
Lobdell Car Wheel Co., Wilmington, Del.
Phœnix Iron Co., Trenton, N. J.
Robert Poole & Son Co., Baltimore, Md. *132

D. RUBBER MOULDS.
Walworth O. Barbour & Co., Cambridgeport, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
A. P. Brooks, 86 Fulton St., New York.
Geo. M. Cruickshank, Providence, R. I.

	Empire Rubber Co., Trenton, N. J.
	Hoggson & Pettis Mfg. Co., New Haven, Conn.
	Home Rubber Co., Trenton, N. J.
	Wm. Schollhorn & Co., New Haven, Conn.
	John Royle & Sons, Paterson, N. J.
E. VULCANIZING PRESSES.	Boomer & Boschert Press Co., Syracuse, N. Y.
	G. H. Bushnell Co., Thompsonville, Conn.

1738. RUBBER STAMP MAKING TOOLS.

	Wm. A. Force & Co., 60 Beekman St., New York.
	R. H. Smith Mfg. Co., Springfield, Mass. *85

1739. RULES.

A. ADVERTISING RULES.	National Advertising Co., Seneca Falls, N. Y.
B. BOARD RULES, HICKORY.	H. Chapin's Sons, Pine Meadow, Conn.
	Lufkin Rule Co., Cleveland, O.
C. BOARD RULES, STEEL.	Lufkin Rule Co., Cleveland, O.
D. BOX WOOD RULES.	Belcher Bros. & Co., Newark, N. J.
	H. Chapin's Sons, Pine Meadow, Conn.
	Eberhard Faber, 545 Pearl St., New York.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	Stanley Rule & Level Co., New Britain, Conn.
	Stephens & Co., Riverton, Conn.
	Upson Nut Co., Unionville, Conn.
E. CALIPER RULES.	Belcher Bros. & Co., Newark, N. J.
	H. Chapin's Sons, Pine Meadow, Conn.
	Standard Tool Co., Athol, Mass.
F. COMBINATION RULES.	Stephens & Co., Riverton, Conn.
G. FOLDING RULES, STEEL.	Lufkin Rule Co., Cleveland, O.
H. FREIGHT RULES.	Belcher Bros. & Co., Newark, N. J.
I. IRON RULES.	Eagle Square Co., South Shaftsbury, Vt.
	Peck, Stow & Wilcox Co., Southington, Conn.
	Upson Nut Co., Unionville, Conn.
J. IVORY RULES.	H. Chapin's Son, Pine Meadow, Conn.
	Stanley Rule & Level Co., New Britain, Conn.
	Stephens & Co., Riverton, Conn.
	Upson Nut Co., Unionville, Conn.
K. LOG RULES, HICKORY.	H. Chapin's Sons, Pine Meadow, Conn.
	Lufkin Rule Co., Cleveland, O.
	N. W. Spaulding Saw Co., 17 Fremont St., San Francisco, Cal.
L. METRIC RULES.	Darling, Brown & Sharpe, Providence, R. I.
M. PARALLEL RULES.	Belcher Bros. & Co., Newark, N. J.
N. PLATE GLASS RULES.	Belcher Bros. & Co., Newark, N. J.
O. SHRINKAGE RULES.	Belcher Bros. & Co., Newark, N. J.
	H. Chapin's Sons, Pine Meadow, Conn.
P. STEEL RULES.	Darling, Brown & Sharpe, Providence, R. I.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	Eagle Square Co., S. Shaftsbury, Vt.
	Lufkin Rule Co., Cleveland, O.
	Peck, Stow & Wilcox Co., Southington, Conn.
	Standard Tool Co., Athol, Mass.
	L. S. Starrett, Athol, Mass.

1740. SADDLERS' MACHINERY & TOOLS.

A. COLLAR BLOCKS.	Randall & Co., 520 W. 6th St., Cincinnati, O.
B. DASH STITCHING MACHINES.	Elliott Dash Stitching Machine Co., 15 Cortlandt St., New York.
C. HARNESS AWLS.	Aldrich & Ray Mfg. Co., Buffalo, N. Y.
	C. S. Osborne & Co., Newark, N. J.
	H. A. Williams Mfg. Co., Taunton, Mass. *52
D. HARNESS LOOP MACHINES.	H. F. Osborne, Newark, N. J.
E. HARNESS MAKERS' KNIVES.	C. S. Osborne & Co., Newark, N. J.
F. HARNESS MACHINERY.	Randall & Co., 520 W. 6th St., Cincinnati, O.
	Ross-Moyer Mfg. Co., 226 Sycamore St., Cincinnati, O.
G. HARNESS PRESSES.	H. F. Osborne, Newark, N. J.
	Randall & Co., 520 W. 6th St., Cincinnati, O.
H. HARNESS SEWING MACHINES.	National Sewing Machine Co., 124 Pearl St., Boston, Mass.
	Singer Mfg. Co., 385 Broadway, New York. *214
I. LEATHER CREASING MACHINES.	H. F. Osborne, Newark, N. J.
J. REIN ROUNDERS.	C. S. Osborne & Co., Newark, N. J.
K. ROSETTE CUTTERS.	H. F. Osborne, Newark, N. J.
L. SADDLERS' CHANNELERS.	H. F. Osborne, Newark, N. J.
M. SADDLERS' HAMMERS.	C. Hammond & Son, Ogontz, Pa.
	C. S. Osborne & Co., Newark, N. J.
N. SADDLERS' RULES.	Belcher Bros. & Co., Newark, N. J.
O. SADDLERS' TOOLS.	Humason & Beckley Mfg. Co., New Britain, Conn.
	H. F. Osborne, Newark, N. J.

	C. S. Osborne & Co., Newark, N. J.
1741. SAILORS' PALMS.	Union Hardware Co., Torrington, Conn.
1742. SALINOMETERS.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.
	Ashcroft Mfg. Co., 111 Liberty St., New York.
1743. SALT WORKS MACHINERY.	
	Colwell Iron Works, 549 W. 27th St., New York.
	Robt. Deeley & Co., 507 W. 32d St., New York.
	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
	John Turl & Sons, 534 W. 28th St., New York.
	Vulcan Iron Works, Wilkes Barre, Pa. *131
1744. SAP EVAPORATORS.	G. H. Grimm Mfg. Co., Hudson, O.
	Vermont Farm Machine Co., Bellows Falls, Vt.
1745. SAWS & SAW BLADES.	
A. BACK SAWS.	American Saw Co., Trenton, N. J.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	National Saw Co., 96 Reade St., New York.
	Richardson Bros., Newark, N. J.
B. BUTCHER & BILLET SAW WEBS.	National Saw Co., 96 Reade St., New York.
	Richardson Bros., Newark, N. J.
C. CHAIR WEBS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	National Saw Co., 96 Reade St., New York.
D. COMBINATION SAWS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	C. E. Jennings Co., 81 Reade St., New York.
	National Saw Co., 96 Reade St., New York.
E. COMPASS SAWS.	American Saw Co., Trenton, N. J.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	C. E. Jennings & Co., 81 Reade St., New York.
	Millers Falls Co., Millers Falls, Mass.
	National Saw Co., 96 Reade St., New York.
	Richardson Bros., Newark, N. J.
F. CROSS CUT SAWS.	American Saw Co., Trenton, N. J.
	E. C. Atkins & Co., Indianapolis, Ind. *198
	Branch-Crooks Saw Co., 522 N. 3d St., St. Louis, Mo.
	Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	Kingsland & Douglas Mfg. Co., 1512 N. 11th St., St. Louis, Mo.
	National Saw Co., 96 Reade St., New York.
	Pacific Saw Mfg. Co., San Francisco, Cal.
	Richardson Bros., Newark, N. J.
	Simonds Mfg. Co., Fitchburg, Mass.
G. DUPLEX SAWS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
H. FELLY WEBS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	National Saw Co., 96 Reade St., New York.
I. FUTTOCK WEBS.	American Saw Co., Trenton, N. J.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	National Saw Co., 96 Reade St., New York.
J. HACK SAWS.	American Saw Co., Trenton, N. J.
	Crescent Mfg. Co., Cleveland, O.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	C. E. Jennings & Co., 81 Reade St., New York.
	Millers Falls Co., Millers Falls, Mass.
	National Saw Co., 96 Reade St., New York.
	Henry G. Thompson & Sons, New Haven, Conn.
	Tower & Lyon, 95 Chambers St., New York.
K. HAND SAWS.	American Saw Co., Trenton, N. J.
	E. C. Atkins & Co., Indianapolis, Ind. *198
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	C. E. Jennings & Co., 81 Reade St., New York.
	Pacific Saw Mfg. Co., San Francisco, Cal.
	Richardson Bros., Newark, N. J.
L. HAND TIMBER SAWS.	National Saw Co., 96 Reade St., New York.
	Richardson Bros., Newark, N. J.
M. JAPANESE SAWS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	National Saw Co., 96 Reade St., New York.
N. KITCHEN SAWS.	American Saw Co., Trenton, N. J.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	C. E. Jennings & Co., 81 Reade St., New York.
	National Saw Co., 96 Reade St., New York.
	Richardson Bros., Newark, N. J.
	Henry G. Thompson & Sons, New Haven, Conn.
O. MITRE BOX SAWS.	American Saw Co., Trenton, N. J.
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
	National Saw Co., 96 Reade St., New York.
P. MOVABLE BACK SAWS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Q. ONE MAN CROSS CUT SAWS.	American Saw Co., Trenton, N. J.
	E. C. Atkins & Co., Indianapolis, Ind. *198

Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
National Saw Co., 96 Reade St., New York.

R. PANEL SAWS.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
C. E. Jennings & Co., 81 Reade St., New York.
National Saw Co., 96 Reade St., New York.
Richardson Bros., Newark, N. J.

S. PIT SAWS.
American Saw Co. Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Baldridge & Hogan Saw Co., 7 Vine St., Cincinnati, O.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
R. Hoe & Co., 504 Grand St., New York.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.

T. SQUARE HOLE SAWS.
Harvey W. Peace Co., 469 Keap St., Brooklyn, N. Y.

U. TURNING SAWS.
W. B. Barry Saw & Supply Co., Indianapolis, Ind. *156
H. Chapin's Sons, Pine Meadow, Conn.
G. H. Grimm Mfg. Co., Hudson, O.
C. E. Jennings & Co., 81 Reade St., New York.
National Saw Co., 96 Reade St., New York.
Richardson Bros., Newark, N. J.

V. TURNING SAW WEBS.
American Saw Co., Trenton, N. J.
W. B. Barry Saw & Supply Co., Indianapolis, Ind. *156
Richardson Bros., Newark, N. J.

W. WHIP SAWS.
E. C. Atkins & Co., Indianapolis, Ind. *198
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
National Saw Co., 96 Reade St., New York.
Richardson Bros., Newark, N. J.

X. WOOD SAWS.
American Saw Co., Trenton, N. J.
E. C. Atkins & Co., Indianapolis, Ind. *198
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa. *151
C. E. Jennings & Co., 81 Reade St., New York.
National Saw Co., 96 Reade St., New York.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.
J. Barton Smith Co., N. 4th & Somerset Sts., Philadelphia, Pa.

Y. WOOD SAW BLADES.
E. C. Atkins & Co., Indianapolis, Ind. *198
Benjamin Machine Co., 418 Rookery Bldg., Chicago, Ill.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
National Saw Co., 96 Reade St., New York.
J. Barton Smith Co., N. 4th & Somerset Sts., Philadelphia, Pa.
N. W. Spaulding Saw Co., 17 Fremont St., San Francisco, Cal.

1746. SCOOPS.
Oliver Ames & Sons Corporation, N. Easton, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Geo. Griffith Co., 513 Locust St., Philadelphia, Pa.
Joseph S. Kile, Hurleyville, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
H. M. Myers Co., Beaver Falls, Pa.
S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O. *54
Thomas Rowland's Sons, 12 N. 5th St., Philadelphia, Pa.
Sidney Shepard & Co., Buffalo, N. Y.
John Sommer's Son, Newark, N. J.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.

A. THUMB SCOOPS.
Joseph Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

B. STEEL SCOOPS.
Wm. Chisholm & Sons, Cleveland, O.
Chalmers-Spence Co., 419 8th St., New York.
Geo. Griffiths Co., 513 Locust St., Philadelphia, Pa.
Terre Haute Shovel & Tool Co., Terre Haute, Ind.
Joel H. Woodman & Co., Hoboken, N. J.

C. VENEER SCOOPS.
H. Chapin's Sons, Pine Meadow, Conn.
C. Drew & Co., Kingston, Mass.
C. E. Jennings & Co., 81 Reade St., New York.
Stanley Rule & Level Co., New Britain, Conn.
Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.

1747. SCRAPERS.

A. BARREL SCRAPERS.
C. S. Osborne & Co., Newark, N. J.

B. BOX SCRAPERS.
Humason & Beckley Mfg. Co., New Britain, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
E. C. Stearns & Co., Syracuse, N. Y.

C. CABINET SCRAPERS.
American Saw Co., Trenton, N. J.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Wm. Johnson, Newark, N. J.
National Saw Co., 96 Reade St., New York.
Richardson Bros., Newark, N. J.

	Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.
D. FLUE SCRAPERS.	Jackson Flue Scraper Co., Jackson, Mich.
E. MACHINISTS' SCRAPERS.	Nicholson File Co., Providence, R. I.
F. SHIP DECK SCRAPERS.	L. & I. J. White, Buffalo, N. Y.
G. SHIP SCRAPERS.	C. Drew & Co., Kingston, Mass.
	E. W. Gilmore & Co., N. Easton, Mass.
	Vaughan & Bushnell Mfg. Co., 889 Carroll St., Chicago, Ill.
H. SNOW SCRAPERS.	A. J. Phillips & Co., Fenton, Mich.
I. STABLE SCRAPERS.	A. J. Phillips & Co., Fenton, Mich.
J. STEEL SCRAPERS.	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.*151
	Samuel C. Tatum Co., John & Water Sts.. Cincinnati, O.
K. VENEER SCRAPERS.	Stanley Rule & Level Co., New Britain, Conn.
1748. SCREW DRIVERS.	Acme Shear Co., Bridgeport, Conn.
	Bartlett Hardware Co., Freeport, Ill.
	Bemis & Call Hardware & Tool Co., Springfield, Mass.
	Billings & Spencer Co., Hartford, Conn. *103
	R. H. Brown & Co., New Haven, Conn.
	Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
	Clayton Bros., Bristol, Conn.
	Cronk Hanger Co., Elmira, N. Y.
	Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
	Ellrich Hardware Mfg. Co., Plantsville, Conn.
	Elmwood Tool Co., Providence, R. I.
	Gay & Parsons, Augusta, Me.
	Humason & Beckley Mfg. Co., New Britain, Conn.
	C. E. Jennings, 81 Reade St., New York.
	C. J. Kimball & Son, Bennington, N. H.
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	H. H. Mayhew & Co., Shelburne Falls, Mass.
	Millers Falls Co., Millers Falls, Mass.
	Miller Lock Co., Frankford, Philadelphia, Pa.
	Morse Twist Drill & Machine Co., New Bedford, Mass. *120
	New England Specialty Co., North Easton, Mass.
	C. S. Osborne & Co., Newark, N. J.
	Richardson Bros., Newark, N. J.
	Seymour Smith & Son, Oakville, Conn.
	Standard Tool Co., Cleveland, O.
	Stanley Rule & Level Co., New Britain, Conn.
	G. T. Sutterley & Co., 38 N. 6th St., Philadelphia, Pa.
	Tower & Lyon, 95 Chambers St., New York.
	Tuck Mfg. Co., Brockton, Mass.
	F. R. Woodward, Hill, N. H.
A. RATCHET SCREW DRIVERS.	Ellrich Hardware Mfg. Co., Plantsville, Conn.
	Gay & Parsons, Augusta, Me.
	J. H. Williams & Co., 9 Richard St., Brooklyn, N. Y.
B. SCREW DRIVER SETS.	Ellrich Hardware Mfg. Co., Plantsville, Conn.
C. SEWING MACHINE SCREW DRIVERS.	H. M. Norton & Co., Chester, Conn.
D. SPIRAL SCREW DRIVERS.	Ellrich Hardware Mfg. Co., Plantsville, Conn.
1749. SCREW PLATES.	Billings & Spencer Co., Hartford, Conn. *103
	Butterfield & Co., Derby Line, Vt.
	S. W. Card & Co., Mansfield, Mass.
	J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
	Hart Mfg. Co., Cleveland, O.
	Holroyd & Co., Waterford, N. Y.
	Morse Twist Drill & Machine Co., New Bedford, Mass. *120
	Palmer, Cunningham & Co., Ltd., 607 Market St., Phila., Pa.
	Pratt & Whitney Co., Hartford, Conn.
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
	Wells Bros. & Co., Greenfield, Mass.
	Wiley & Russell Mfg. Co., Greenfield, Mass.
	Wilson Sewing Machine Co., 45 Jackson St., Chicago, Ill.
1750. SEWING MACHINES.	
A. AUTOMATIC SEWING MACHINES.	Kruse & Murphy Mfg. Co., 457 W. 26th St., New York.
	Singer Mfg. Co., 385 Broadway, New York. *214
B. BAG SEWING MACHINES.	Wilcox & Gibbs Sewing Machine Co., 658 Broadway, New York.
	Union Special Sewing Mach. Co., 60 Michigan St., Chicago, Ill.
C. BELT SEWING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
D. BROOM SEWING MACHINES.	Hand Stitch Broom Sewing Machine Co., Pittsburgh, Pa.
E. BUTTONHOLE SEWING MACHINES.	Amer. B.H.O.& S. Mach. Co.,S. 20th St. & Wash. Av., Phila., Pa
	National Machine Co., 385 Broadway, New York.
	Reece Button Hole Mach. Co., 458 Harrison Av., Boston, Mass.
	Singer Mfg. Co., 385 Broadway, New York. *214
	Standard Sewing Machine Co., Cleveland, O.

	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
F. BUTTON SEWING MACHINES.	Morley Button Sewing Mach. Co., 205 Congress St., Boston, Mass.
	National Machine Co., 385 Broadway, New York.
	Singer Mfg. Co., 385 Broadway, New York. *214
	Union Button Sewing Machine Co., 164 High St., Boston, Mass.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
G. CARPET SEWING MACHINES.	George Gowing, 72 Bedford St., Boston, Mass.
	Singer Mfg. Co., 385 Broadway, New York. *214
H. CHAIN STITCH SEWING MACHINES.	Kruse & Murphy, 457 W. 26th St., New York.
	Manufacturers Special Mach. Co., 45 York St., Brooklyn, N. Y.
	Singer Mfg. Co., 385 Broadway, New York. *214
	Willcox & Gibbs Sewing Machine Co , 658 Broadway, New York.
I. CORSET STITCHING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
J. CYLINDER SEWING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
	A. H. Tennis, 26 Union Sq., New York.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
K. DOUBLE HEAD SEWING MACHINES.	A. H. Tennis, 26 Union Sq., New York.
	Singer Mfg. Co., 385 Broadway, New York. *214
L. DOUBLE NEEDLE SEWING MACHINES.	Domestic Sewing Machine Co., Newark, N. J.
	Kruse & Murphy, 457 W. 26th St., New York.
	Manufacturers Special Mach. Co., 45 York St., Brooklyn, N. Y.
	Singer Mfg. Co., 385 Broadway, New York. *214
	Standard Sewing Machine Co., Cleveland, O.
	Union Special Sewing Machine Co., 47 Leonard St., New York.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
M. FANCY STITCH SEWING MACHINES.	Domestic Sewing Machine Co., Newark, N. J.
	New Home Sewing Machine Co., Orange, Mass,
	Singer Mfg. Co., 385 Broadway, New York. *214
	Standard Sewing Machine Co., Cleveland, O.
	Union Special Sewing Machine Co., 47 Leonard St., New York.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
N. FUR SEWING MACHINES.	C. M. Boland, 194 Elm St., New York.
	W. Ludeke, 143 Elm St., New York.
	Singer Mfg. Co., 385 Broadway, New York. *214
O. GLOVE POINTING MACHINES.	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
P. GLOVE STITCHING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
Q. HAND SEWING MACHINES.	Amer. B.H.O.&S. Mach. Co., S.20th St. & Wash'n Av., Phila., Pa.
	Davis Sewing Machine Co., Dayton, O.
	Domestic Sewing Machine Co., Newark, N. J.
	New Home Sewing Machine Co., Orange, Mass.
	Remington Arms Co., Ilion, N. Y.
	Singer Mfg. Co., 385 Broadway, New York. *214
	Standard Sewing Machine Co., Cleveland, O.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
	White Sewing Machine Co., Cleveland, Ohio.
	Willcox & Gibbs Sewing Machine Co., 658 B'way, New York.
R. HAT BINDING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
	Willcox & Gibbs Sewing Machine Co., 658 B'way, New York.
S. HAT SWEAT STITCHING MACHINES.	Manufacturers Special Machine Co., 45 York St., Bklyn., N. Y.
	Singer Mfg. Co., 385 Broadway, New York. *214
	Standard Sewing Machine Co., Cleveland, O.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
T. HEM STITCH SEWING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
	Standard Sewing Machine Co., Cleveland, O.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
U. HORSE BOOT SEWING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
V. LEATHER STITCHING MACHINES.	Singer Mfg. Co., 385 Broadway, New York. *214
	A. H. Tennis, 26 Union Square, New York.
	Union Special Sewing Machine Co., 47 Leonard St., New York.
	Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
W. LOCK STITCH SEWING MACHINES.	Brattleboro' Sewing Machine Co., Brattleboro', Vt.
	Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
	Davis Sewing Machine Co., Dayton, O.
	Domestic Sewing Machine Co., 853 Broadway, New York.
	Florence Machine Co., Florence, Mass.
	Household Sewing Machine Co., Providence, R. I.
	June Mfg. Co., Belvidere, Ill.
	Kruse & Murphy Mfg. Co., 457 W. 26th St., New York.
	Love Mfg. Co., Rochester, Pa.
	New Haven Mfg. Co., New Haven, Conn.
	New Home Sewing Machine Co., Orange, Mass.

Remington Arms Co., Ilion, N. Y.
Singer Mfg. Co., 385 Broadway, New York. *214
Standard Sewing Machine Co., Cleveland, O.
Union Mfg. Co., Toledo, O.
Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
White Sewing Machine Co., Cleveland, O.

X. MAIL BAG SEWING MACHINES. Union Special Sewing Mach. Co., 60 Michigan St., Chicago, Ill.

Y. OSCILLATING SEWING MACHINES. Singer Mfg. Co., 385 Broadway, New York. *214

Z. OVERSEAMING SEWING MACHINES. Amer. B. H. O. & S. Mach. Co., S. 20th St. & Wash. Av., Phila., Pa.
Manufacturers Special Machine Co., 45 York St., Bklyn., N. Y.
Singer Mfg. Co., 385 Broadway, New York. *214
Standard Sewing Machine Co., Cleveland, O.
Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
Willcox & Gibbs Sewing Machine Co., 658 B'way, New York.

AA. SERGING MACHINES. Singer Mfg. Co., 385 Broadway, New York. *214
Wheeler & Wilson Mfg. Co., Bridgeport, Conn.

BB. SPECIAL SEWING MACHINES. Maufacturers Special Machine Co., 45 York St., Brooklyn, N. Y.
Augustus H. Tennis, 26 Union Square, New York.
Union Special Sewing Machine Co., 47 Leonard St., New York.

CC. STRAW HAT SEWING MACHINES. Willcox & Gibbs Sewing Machine Co., 658 B'way, New York.

1751. SEWING MACHINE ACCESSORIES.

Domestic Sewing Machine Co., Newark, N. J.
New Home Sewing Machine Co., Orange, Mass.
Singer Mfg. Co., 385 Broadway, New York. *214
Standard Sewing Machine Co., Cleveland, O.
Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
White Sewing Machine Co., Cleveland, O.

1752. SEWING MACHINE ATTACHMENTS.

Goodrich Mfg. Co., 70 Ogden Place, Chicago, Ill.
Johnston Ruffler Co., Ottumwa, Iowa.
Kruse & Murphy Mfg. Co., 457 W. 26th St., New York.
Singer Mfg. Co., 385 Broadway, New York. *214
E. J. Toof, New Haven, Conn.
J. H. Whitney, Watertown, Mass.

1753. SEWING MACHINE PARTS.

Singer Mfg. Co., 385 Broadway, New York. *214

1754. SHEET METAL MACHINES & TOOLS.

A. BEADING MACHINES. E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Niagara Stamping & Tool Co., Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248

B. BENDING MACHINES. E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.
Geo. A. Ohl & Co., Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248

C. BUMPING PRESSES. G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Stark Machine & Tool Co., Buffalo, N. Y. *248

D. BURRING MACHINES. Atlas Mfg. Co., Newark, N. J.
Niagara Stamping & Tool Co., Buffalo, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Stark Machine & Tool Co., Buffalo, N. Y. *248

E. CAN MAKERS' MACHINERY. E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
E. M. Lang & Co., Portland, Me.
Stark Machine & Tool Co., Buffalo, N. Y. *248

F. CAN MAKERS' TOOLS. Acme Shear Co., Bridgeport, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Ferracute Machine Co., Bridgeton, N. J.
E. M. Lang & Co., Portland, Me.
Niagara Stamping & Tool Co., Buffalo, N. Y.
Stark Machine & Tool Co., Buffalo, N. Y. *248

G. CAN PRESSES. E. M. Lang & Co., Portland, Me.
F. A. Robbins, San Francisco, Cal.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Wallace & Sons, 29 Cortlandt St., New York.
Torris Wold, 82 Market St., Chicago, Ill.

H. CAPPING MACHINES. E W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
E. M. Lang & Co., Portland, Me.
Stark Machine & Tool Co., Buffalo, N. Y. *248
Warfield Mfg. Co., Baltimore, Md.

I. CORNICE MACHINES.	Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Geo. A. Ohl & Co., Newark, N. J.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
J. CORRUGATING MACHINES.	E. W. Bliss & Co , 130 Front St., Brooklyn, N. Y.	
	Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
K. CRIMPING MACHINES.	Acme Mfg. Co., Springfield, O.	
	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
	Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Geo. A. Ohl & Co., Newark, N. J.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
L. DIES, TINNERS'.	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
	E. M. Lang & Co., Portland, Me.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
M. DOUBLE SEAMING MACHINES.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	G. A. Crosby & Co, 176 S. Clinton St., Chicago, Ill.	
	Dwight Slate Machine Co., Hartford, Conn.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Paige Mfg. Co., Painesville, O.	*130
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
N. FIRE POTS, TINNERS'.	American Oil Stove Co., Gardner, Mass.	
	Fulton Iron & Engine Works, Detroit, Mich.	
	E. M. Lang & Co., Portland, Me.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Reardon & Ennis, Troy, N. Y.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
O. FLANGING MACHINES.	Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.	
	Stark Machine & Tool Co , Buffalo, N. Y.	*248
P. FOLDING MACHINES.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
Q. FORMING MACHINES.	E. W. Bliss & Co., 130 Front St., Brookyn, N. Y.	
	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
	E. M. Lang & Co., Portland, Me.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
R. GROOVERS.	H. Chapin's Sons, Pine Meadow, Conn.	
	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill	
	Wm. Johnson, Newark, N. J.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
S. GUTTER MACHINES.	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
T. MALLETS, TINNERS'.	Tucker & Dorsey Mfg. Co., Indianapolis, Ind.	
	Williams & Marvin, Deep River, Conn.	
U. NOTCHING MACHINES.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
V. PUNCHES, TINNERS'.	William C. Carver, 467 Knickerbocker Av., Brooklyn, N. Y.	
	Wm. Johnson, Newark, N. J.	
	H. M. Norton, & Co., Chester, Conn.	
	Peck, Stow & Wilcox Co., Southington Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
W. SEAMING MACHINES.	E. W. Bliss & Co., 130 Front St.. Brooklyn, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
X. SHEARS, CIRCULAR.	Gould & Eberhardt, Newark, N. J.	
	A. H. Merriam, Meriden, Conn.	
	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
Y. SHEARS, SCROLL.	George A. Ohl & Co., Newark, N. J.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248

Z.	SHEARS, SQUARING.	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
		Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.	
		Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.	
		Geo. A. Ohl & Co., Newark, N. J.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
		Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
AA.	SHEET METAL PRESSES.	Geo. A. Ohl & Co., Newark, N. J.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
BB.	SNIPS, TINNERS'.	Acme Shear Co., Bridgeport, Conn.	
		R. Heinisch's Sons, Newark, N. J.	
		Henry Seymour Cutlery Co., Holyoke, Mass.	*32
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
		J. Wiss & Sons, Newark, N. J.	
CC.	SOLDER CUTTERS.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
		G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
DD.	SOLDER MOULDS.	A. P. Brooks, 86 Fulton St., New York.	
		G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
		C. S. Osborne & Co., Newark, N. J.	
		John Savery's Son & Co., 97 Beekman St., New York.	
EE.	SOLDERING BLOCKS.	Buffalo Dental Mfg. Co., 587 Main St. cor. Chippewa, Buffalo, N. Y.	
		Chalmers-Spence Co., 419 8th St., New York.	
FF.	SOLDERING COPPERS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
		Covert Mfg. Co., W. Troy, N. Y.	*17
		New Haven Copper Co., 249 Pearl St., New York.	
		C. S. Osborne & Co., Newark, N. J.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Sidney Shepard & Co., Buffalo, N. Y.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
		Wallace & Sons, Ansonia, Conn.	
GG.	SOLDERING MACHINES.	G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
		Ferracute Machine Co., Bridgeton, N. J.	
		E. M. Lang & Co., Portland, Me.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
HH.	SOLDERING NIPPLES.	H. Mueller Mfg. Co., Decatur, Ill.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
II.	SOLDERING POTS.	Buffalo Dental Mfg. Co., 587 Main St., Buffalo, N. Y.	
		John Savery's Son & Co., 97 Beekman St., New York.	
		Standard Mfg. Co., Pittsburgh, Pa.	*49
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
JJ.	SQUEEZERS.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
KK.	STAKES, TINNERS'.	Niagara Stamping & Tool Co., Buffalo, N. Y.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
LL.	SWAGING MACHINES.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
MM.	TIN ROOFING MACHINES.	Geo. C. Keene & Co., 148 E. Front St., Cincinnati, O.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
NN.	TIN ROOFING TOOLS.	Jacob Brombacher's Sons, 20 Cliff St., New York.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
OO.	TINSMITHS' MACHINES.	Jacob Brombacher's Sons, 20 Cliff St., New York.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
PP.	TINSMITHS' TOOLS.	Bertch & Co., Cambridge City, Ind.	
		Jacob Brombacher's Sons, 20 Cliff St., New York.	
		P. B. Calvert & Co., 68 N. 2d St., Philadelphia, Pa.	
		G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	
		Hatten, Galpin & Co., Binghamton, N. Y.	
		Lufkin Rule Co., Cleveland, O.	
		Niagara Stamping & Tool Co., Buffalo, N. Y.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		J. M. Robinson & Co., 225 W. 2d St., Cincinnati, O.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
		Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.	
		Josiah Wilcox's Sons, Port Chester, N. Y.	
		Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
QQ.	TURNING MACHINES.	Niagara Stamping & Tool Co., Buffalo, N. Y.	
		Peck, Stow & Wilcox Co., Southington, Conn.	
		Stark Machine & Tool Co., Buffalo, N. Y.	*248
RR.	WIRE HANDLE MACHINES.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
		G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.	

	Stark Machine & Tool Co., Buffalo, N. Y.	*248
SS. WIRE RING MACHINES.	E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
TT. WIRING MACHINES.	Niagara Stamping & Tool Co., Buffalo, N. Y.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248

1755. SHORTHAND WRITING MACHINES.

U. S. Stenograph Co., 402 N. 3d St., St. Louis, Mo.

1756. SHOVELS.

A. COAL SHOVELS.	Wm. Chisholm & Sons, Cleveland, O.	
	Collins Co., Collinsville, Conn.	
	T. Rowland's Sons, 12 N. 5th St., Philadelphia, Pa.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
B. CONTRACTORS' SHOVELS.	Oliver Ames & Sons, N. Easton, Mass.	
	Chicago Stamping Co., 10 Lake St., Chicago, Ill.	
	Collins Co., Collinsville, Conn.	
	Columbus Mfg. Co., Columbus, O.	
	Geo. Griffiths Co., 513 Locust St., Philadelphia, Pa.	
	Hussey, Binns & Co., Ltd., Pittsburgh, Pa.	
	H. M. Myers Co., Beaver Falls, Pa.	
	J. W. Paxson & Co., N. Del. Av. near Laurel St., Phila., Pa.	
	T. Rowland's Sons, 12 N. 5th St., Philadelphia, Pa.	
	St. Louis Shovel Co., Duncan n. Vanderventer Av., St. Louis, Mo.	
	Troy Stamping Works, Troy, N. Y.	
C. COFFEE SHOVELS.	St. Louis Shovel Co., Duncan n. Vandeventer Av., St. Louis, Mo.	
D. COKE SCREENING SHOVELS.	James R. Floyd & Sons, 539 W. 20th St., New York.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
E. DRAIN SHOVELS.	Chattanooga Tool Co., Chattanooga, Tenn.	
	Iwan Bros., Streator, Ill.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
F. FIRE SHOVELS.	W. J. Clark & Co., Salem, O.	*121
	Iron Clad Mfg. Co., 22 Cliff St., New York.	
	Lalance & Grosjean Mfg. Co , 19 Cliff St., New York.	
	Peck, Stow & Wilcox Co., Southington, Conn.	
	Joseph Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.	
	W. H. Sweeney Mfg. Co., 240 Water St., New York.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
	Wheeling Hinge Co., Wheeling, W. Va.	
G. GRAIN SCOOPS.	Hussey, Binns & Co., Ltd., Pittsburgh, Pa.	
	T. Rowland's Sons, 12 N. 5th St., Philadelphia, Pa.	
	St. Louis Shovel Co., Duncan n. Vandeventer Av., St. Louis, Mo.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
H. LIME SHOVELS.	St. Louis Shovel Co., Duncan n. Vandeventer Av., St. Louis, Mo.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
I. LIPPED SHOVELS.	S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
J. LOCOMOTIVE SHOVELS.	Hussey, Binns & Co., Ltd., Pittsburgh, Pa.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
K. MALT SHOVELS.	Stephen Kampf, Albany, N. Y.	
L. MINING SHOVELS.	St. Louis Shovel Co., Duncan n. Vandeventer Av., St. Louis, Mo.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
M. MOULDERS' SHOVELS.	S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
N. ROUND POINT SHOVELS.	Oliver Ames & Sons, N. Easton, Mass.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
O. SAWDUST SHOVELS.	St. Louis Shovel Co., Duncan n. Vandeventer Av., St. Louis, Mo.	
	Terre Haute Shovel & Tool Co., Terre Haute, Ind.	
P. SNOW SHOVELS.	Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.	
	W. J. Clark & Co., Salem, O.	*121
	Rugg Mfg. Co., Greenfield, Mass.	
	Union Mfg. Co., Toledo, O.	
Q. STEEL SNOW SHOVELS.	Wm. Chisholm & Sons, Cleveland, O.	
R. TAMPING SHOVELS.	St. Louis Shovel Co., Duncan n. Vandeventer Av., St. Louis, Mo.	

1757. SIDEWALK CLEANERS. Iowa Farming Tool Co., Fort Madison, Iowa.
Palmer Hardware Mfg. Co., Troy, N. Y.

1758. SIFTING MACHINES. Jabez Burns & Sons, 3 Worth St., New York.
John T. Noye Mfg. Co., Buffalo, N. Y.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
Chas. Ross & Son, 14 Steuben St., Brooklyn, N. Y.

1759. SILVERSMITHS' MACHINERY & TOOLS.

F. W. Gesswein, 39 John St., New York.
Pierce & Noble, Newark, N. J.
Willets Machine Co., Providence, R. I.

1760. SIRENS, POWER. A. & F. Brown, 44 Park Place, New York.

1761. SLATERS' RIPPERS. Belden Machine Co., New Haven, Conn.

1762. SLEDGES. Atha Tool Co., Newark, N. J. *82
W. H. Anderson & Son, Detroit, Mich.

Buffalo Hammer Co., Buffalo, N. Y.
Collins Co., Collinsville, Conn.
Detroit Steel & Spring Co., Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Hartford Hammer Co., Hartford, Conn.
H. H. Harvey, 116 High St., Boston. Mass
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Iwan Bros., Streator, Ill.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

1763. SMITHERING MACHINES.

Robert Poole & Son Co., Baltimore, Md. *132

1764. SOAP MACHINERY & TOOLS.

John Becker, 157 Pearl St., Boston, Mass.
E. W. Bliss & Co., 130 Front St., Brooklyn N. Y.
W. W. Brewer, Troy, N. Y.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
H. Wm. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Alfred W. Houchin, 11 Vine St., Brooklyn, N. Y.
New Haven Mfg. Co., New Haven, Conn.
Rutschman Bros., Berks & N. 5th Sts., Philadelphia, Pa.

A. SOAP KETTLES.

Robt. Deeley & Co., 507 W. 32d St., New York.
H. Wm. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.
John O'Brien Boiler Works, 1129 N. Main St., St. Louis, Mo.

1765. SPATULAS.

Clement Mfg. Co., Northampton, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.

1766. SPECIAL MACHINERY.

Atlantic Works, 60 Border St., E. Boston, Mass.
Audubon Machine Works, New Haven, Conn.
Herbert Baker, Toledo, O.
Walworth O. Barbour & Co., Cambridgeport, Mass.
Butts Machine Co., Joliet, Ill.
Beaman & Smith, Providence, R. I.
Bement, Miles & Co., 21st & Callowhill Sts., Philadelphia, Pa.
Birmingham Iron Foundry, Birmingham, Conn.
E. W. Bliss & Co., 130 Front St., Brooklyn, N. Y.
Boston Blower Co., 281 Franklin St., Boston, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
H. Dudley Coleman & Co., New Orleans, La.
G. A. Crosby & Co., 176 S. Clinton St., Chicago, Ill.
Delamater Iron Works, 21 Cortlandt St., New York.
Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Garvin Machine Co., 9 Laight St., New York.
Edwin Harrington, Son & Co.. N. 15th St. & Penn. Av., Phila., Pa.
Hatch & Holmes Mfg. Co., Bridgeport, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Duncan Mackenzie, Trenton, N. J. *118
New England Butt Co., Providence, R. I. *138
Norton & Jones Machine Tool Co., Plainville, Conn. *124
Pacific Iron Works, Bridgeport, Conn.
Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.
Robert Poole & Son Co., Baltimore, Md. *132
Prentice Bros., Worcester, Mass.
Remington Arms Co.. Ilion, N. Y.
John Royle & Sons, Paterson, N. J.
St. Louis Iron & Machine Works, 1001 S. Main St., St. Louis, Mo.
San Francisco Tool Co., 11 Stevenson St., San Francisco, Cal.
Dwight Slate Machine Co., Hartford, Conn.
Stiles & Parker Press Co., Middletown, Conn.
Stover Mfg. Co., Freeport, Ill.
A. J. Sweeney & Son, Wheeling, W. Va. *61
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., Moline, Ill.

1767. SPECIAL TOOLS.

Brown & Sharpe Mfg. Co., Providence, R. I.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Hatch & Holmes Mfg. Co., Bridgeport, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
McDonnell Odometer Co., 3501 Kedzie Av., Chicago, Ill.
Putnam Machine Co., Fitchburg, Mass.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Standard Tool Co., Cleveland, O.

1768. SPEED INDICATORS.

Ackley Speed Indicator Co., Warren, O.

N. P. Bowsher, South Bend, Ind.
Electric Mfg. Co., Troy, N. Y.
The E. S. Greeley & Co., 7 Dey St., New York.
McDonnell Odometer Co., 3501 Kedzie Av., Chicago, Ill.
Schäffer & Budenberg, 10 Division St., Brooklyn, N. Y.
L. S. Starrett, Athol, Mass.

1769. SPICE & DRUG POUNDERS.
Jabez Burns & Sons, 3 Worth St., New York.

1770. SPILL TROUGHS, BRASS FOUNDERS'.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54

1771. SPIRAL SPRING COILING MACHINES.
Garvin Machine Co., 9 Laight St., New York.
Pratt & Whitney Co., Hartford, Conn.

1772. SPOKE SHAVES.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
H. F. Osborne, Newark, N. J.
Seymour Smith & Son, Oakville, Conn.
Stanley Rule & Level Co., New Britain, Conn.

A. IRON SPOKE SHAVES.
H. Chapin's Sons, Pine Meadow, Conn.
E. C. Stearns & Co., Syracuse, N. Y.

B. SPOKE SHAVE IRONS.
A. A. Simonds, Dayton, O.
Stanley Rule & Level Co., New Britain, Conn.

1773. SQUARES.

A. BEVEL SQUARES.
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
L. S. Starrett, Athol, Mass.

B. CALIPER SQUARES.
Darling, Brown & Sharpe, Providence, R. I.
L. S. Starrett, Athol, Mass.

C. CENTER SQUARES.
Standard Tool Co., Athol, Mass.

D. COMBINATION SQUARES.
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
L. S. Starrett, Athol, Mass.

E. DOUBLE TONGUE SQUARES
Eagle Square Co., S. Shaftsbury, Vt.

F. DRESS MAKERS' SQUARES.
Belcher Bros. & Co., Newark, N. J.

G. IRON SQUARES.
Eagle Square Co., S. Shaftsbury, Vt.
Peck, Stow & Wilcox Co., Southington, Conn.
Southington Cutlery Co., Southington, Conn.

H. MITRE SQUARES.
Stanley Rule & Level Co., New Britain, Conn.

I. PLATE GLASS SQUARES.
Belcher Bros. & Co., Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.

J. STEEL SQUARES.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
Eagle Square Co., S. Shaftsbury, Vt.
Southington Cutlery Co., Southington, Conn.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain, Conn.
Upson Nut Co., Unionville, Conn.

K. STEEL SQUARES, HARDENED.
Darling, Brown & Sharpe, Providence, R. I.
Standard Tool Co., Athol, Mass.

L. TAILORS' SQUARES.
Belcher Bros. & Co., Newark, N. J.

M. TRY SQUARES.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Tacony & N. Front Sts., Philadelphia, Pa.
Standard Tool Co., Athol, Mass.

1774. STAMP PERFORATING MACHINES.
Dickinson & Osborne, Belleville, N. J.

1775. STAPLE MACHINES.
John Adt & Son, New Haven, Conn.

A. FENCE STAPLE MACHINERY.
Stover Mfg. Co., Freeport, Ill.

1776. STAPLE PULLERS.
Hunt, Helm & Ferris, Harvard, Ill.
Warner Mfg. Co., Freeport, Ill.

1777. STEAM EXCAVATORS.
F. C. Austin Mfg. Co., Carpenter cor. Carroll Avs., Chicago, Ill.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Excelsior Iron Works, 100 N. Clinton St., Chicago, Ill.
Industrial Works, Bay City, Mich.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Marion Steam Shovel Co., Marion, O.
Osgood Dredge Co., Albany, N. Y.
John Souther & Co., 671 Dorchester Av., Boston, Mass.
Vulcan Iron Works Co., Oswego, N. Y.

1778. STEAM SEPARATORS.
Stratton Separator Co., 32 Cortlandt St., New York. *155

1779. STEAM STEERING ENGINES.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Globe Iron Works Co., Centre & Spruce Sts., Cleveland, O.
Providence Steam Engine Co., Providence, R. I.

1780. STEAM, WATER & GAS FITTERS' TOOLS.

A. GAS FITTERS' AUGERS.
Irwin Auger Bit Co., Wilmington, O.

	C. E. Jennings & Co., 81 Reade St., New York.	
	Snell Mfg. Co., 72 Reade St., New York.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
B. GAS PLIERS.	Billings & Spencer Co., Hartford, Conn.	*103
	C. S. Osborne & Co., Newark, N. J.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
C. PIPE CUTTERS.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
D. PIPE REAMERS.	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	J. M. Carpenter, Pawtucket, R. I.	
	J. M. King & Co., Waterford, N. Y.	
	Morse Twist Drill & Mach. Co., New Bedford, Mass.	*120
	Pratt & Whitney Co., Hartford, Conn.	
	Putnam Machine Co., Fitchburg, Mass.	
	Standard Tool Co., Cleveland, O.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
E. PIPE STOCKS & DIES.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Butterfield & Co., Derby Line, Vt.	
	J. M. Carpenter, Pawtucket, R. I.	
	Holroyd & Co., Waterford, N. Y.	
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	R. R. Rouse, Indianapolis, Ind.	
	Standard Tool Co., Cleveland, O.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	Wells Bros. & Co., Greenfield, Mass.	
F. PIPE TAPS.	S. W. Card & Co., Mansfield, Mass.	
	Holroyd & Co., Waterford, N. Y.	
	J. M. King & Co., Waterford, N. Y.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	Mueller Mfg. Co., Decatur, Ill.	
	Pratt & Whitney Co., Hartford, Conn.	
	Standard Tool Co., Cleveland, O.	
	Wells Bros. & Co., Greenfield, Mass.	
	Wiley & Russell Mfg. Co., Greenfield, Mass.	
G. PIPE THREADERS.	American File & Iron Co., Youngstown, Pa.	
	Jarecki Mfg. Co., Ltd., Erie, Pa.	
	Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.	
	Rochester Pipe Tong Co., Rochester, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
H. PIPE TONGS.	W. H. Anderson & Son, Detroit, Mich.	
	Ashcroft Mfg. Co., 111 Liberty St., New York.	
	Bay State Iron Works, Erie, Pa.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Jarecki Mfg. Co., Ltd., Erie, Pa.	
	C. S. Osborne & Co., Newark, N. J.	
I. PIPE VISES.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	Clark Bros., Belmont, N. Y.	
	Jarecki Mfg. Co., Ltd., Erie, Pa.	
	Prentiss Vise Co., 44 Barclay St., New York.	
	R. R. Rouse, Indianapolis, Ind.	
	H. B. Smith Machine Co., Smithville, N. J.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
J. PIPE VISE GRIPS.	Prentiss Vise Co., 44 Barclay St., New York.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
K. TAPPING MACHINES.	Mueller Mfg. Co., Decatur, Ill.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	

1781. STEREOTYPERS' MACHINERY.

A. STEREOTYPERS' CASTING BOXES.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
	Lovejoy Co., 444 Pearl St., New York.	*50
	F. Wesel Mfg. Co., 11 Spruce St., New York.	
B. STEREOTYPERS' FURNACES.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
	Duplex Printing Press Co., Battle Creek, Mich.	
	Lovejoy Co., 444 Pearl St., New York.	*50
C. STEREOTYPERS' FINISHING BLOCKS.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
	Lovejoy Co., 444 Pearl St., New York.	*50
	F. Wesel Mfg. Co., 11 Spruce St., New York.	
D. STEREOTYPERS' HAND SHAVING MACHINES.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
	Lovejoy Co., 444 Pearl St., New York.	*50
E. STEREOTYPERS' LADLES.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
F. STEREOTYPERS' MATRIX BOXES.	C. B. Cottrell & Sons, 8 Spruce St., New York.	
	Lovejoy Co., 444 Pearl St., New York.	*50

G. STEREOTYPERS' OUTFITS. Lovejoy Co., 444 Pearl St., New York. *50
W. G. Walker & Co., Madison, Wis.

H. STEREOTYPERS' PRESSES. Duplex Printing Press Co., Battle Creek, Mich.
M. J. Hughes, 10 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50

I. STEREOTYPERS' SAW TABLES. C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50
John Royle & Sons, Paterson, N. J.
F. Wesel Mfg. Co., 11 Spruce St., New York.

J. STEREOTYPERS' SHOOT BOARD & PLANES. C. B. Cottrell & Sons, 8 Spruce St., New York.
Lovejoy Co., 444 Pearl St., New York. *50
John Royle & Sons, Paterson, N. J.
F. Wesel Mfg. Co., 11 Spruce St., New York.

K. STEREOTYPERS' STEAM DRYING TABLES. C. B. Cottrell & Sons, 8 Spruce St., New York.
Duplex Printing Press Co., Battle Creek, Mich.
Lovejoy Co., 444 Pearl St., New York. *50

1782. STILLS.

Eimer & Amend, 205 3d Av., New York.
Hauser, Brennan & Fath Co., McLean & Bank Sts., Cin., O.
Wm. B. Pollock & Co., Youngstown, O.
Geo. Reeves, Niles, O.
Ribon & March, 1st & Provost Sts., Jersey City, N. J.
Trageser Steam Copper Works, 447 W. 26th St., New York.
H. Warden, N. 18th St. & Allegheny Av., Philadelphia, Pa.
Wilfong Bros., 222 N. 23d St., Philadelphia, Pa.

A. DRUGGISTS' STILLS. John Ogden & Co., Walnut & S. 13th Sts., Philadelphia, Pa.

B. OIL STILLS. Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Farrel, Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.
Heipershausen Bros., 43 Tompkins St., New York.

1783. STOCKS & DIES.

Armstrong Mfg. Co., Bridgeport, Conn. *154
Butterfield & Co., Derby Line, Vt.
Curtis & Curtis, Bridgeport, Conn.
Garvin Machine Co., 9 Laight St., New York.
Holroyd & Co., Waterford, N. Y.
J. M. King & Co., Waterford, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Wells Bros. & Co., Greenfield, Mass.

1784. STONE & MARBLE WORKING MACHINERY.

A. GRINDSTONE DRESSERS. Blake & Johnson, Waterbury, Conn.
Robert Poole & Son Co., Baltimore, Md. *132

B. MARBLE MOULDING & COUNTERSINKING MACHINES. Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Robert Poole & Son Co., Baltimore, Md. *132
Sherman & Flavin, 2511 State St., Chicago, Ill.

C. RUBBING BEDS. Hashow, Maish & Davis, Minneapolis, Minn.
Lincoln Iron Works, Rutland, Vt.
Robert Poole & Son Co., Baltimore, Md. *132

D. SLATE DRESSERS. Auld & Conger, Cleveland, O.

E. SLATE SAWS. C. T. Maynard & Co., Fair Haven, Vt.
Henry Ruggles, Poultney, Vt.

F. STONE CUTTING MACHINES. McDonald Stone C. Mach. Co., 257 Washington St., Boston, Mass.
Robert Poole & Son Co., Baltimore, Md. *132
Steam Stone Cutter Co., Rutland, Vt.

G. STONE DRESSERS. Valley Iron Works Mfg. Co., Appleton, Wis.

H. STONE JOINTING MACHINES. Lincoln Iron Works, Rutland, Vt.
Robert Poole & Son Co., Baltimore, Md. *132

I. STONE PLANING MACHINES. Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Lincoln Iron Works, Rutland, Vt.
Robert Poole & Son Co., Baltimore, Md. *132

J. STONE SAWS. Frenier & Le Blanc, Rutland, Vt.
Hashow, Maish & Davis, Minneapolis, Minn.
Lincoln Iron Works, Rutland, Vt.
Lindsay & McCutcheon, Pittsburgh, Pa.
C. T. Maynard & Co., Fair Haven, Vt.

1785. STRAIGHT EDGES.

Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Putnam Machine Co., Fitchburg, Mass.
Standard Tool Co., Athol, Mass.
Thompson & Campbell, 1022 Germantown Av., Philadelphia, Pa.

A. STEEL STRAIGHT EDGES. Darling, Brown & Sharpe, Providence, R. I.
L. S. Starrett, Athol, Mass.

1786. STRAW ROPE TWISTERS.

S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cincin., O. *54

1787. STREET CLEANING MACHINERY.

Abbott Downing Co., Concord, N. H.
Altoona Mfg, Co., Altoona, Pa.
Chas. N. Bacon, 52 Federal St., Boston, Mass.

Brooklyn Railway Supply Co., 90 Chambers St., New York.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Geo. C. Howard, 1794 Barker St., Philadelphia, Pa.

1788. STRETCHING MACHINES, BELT.
Chas. Holmes (Est. of), 23 W. 1st St., Boston, Mass.

1789. STUCCO KETTLES. Butterworth & Lowe, Grand Rapids, Mich.

1790. SUGAR MACHINERY.

A. BAGASSE BURNERS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Colwell Iron Works, 549 W. 27th St., New York.

B. CANE CUTTING MACHINERY.
Colwell Iron Works, 549 W. 27th St., New York.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.

C. CANE MILLS.
C. S. Bell & Co., Hillsboro', O.
Blymyer Iron Works Co., Richmond & Harriet Sts., Cincinnati, O.
Brennan & Co., Louisville, Ky.
Bristol Foundry & Machine Works, Bristol, Tenn.
Chattanooga Plow Co., Chattanooga, Tenn.
H. Dudley Coleman & Co., New Orleans, La.
Colwell Iron Works, 549 W. 27th St., New York.
Robt. Deeley & Co., 507 W. 32d St., New York.
James L. Haven Co., 56 Plum St., Cincinnati, O.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
George R. Lombard & Co., Augusta, Ga.
Morgan Iron Works, foot of E. 9th St., New York.
Henry G. Morris, Drexel Building, Philadelphia, Pa.
Reading Iron Co., Reading, Pa.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Schofield Iron Works, Macon, Ga.
George L. Squier Mfg. Co., Buffalo, N. Y.
Van Winkle Gin & Machine Co., Atlanta, Ga.
Winship Machine Co., Atlanta, Ga.

D. CANE MILLS, HAND POWER.
George L. Squier Mfg. Co., Buffalo, N. Y.

E. CANE MILLS, HORSE POWER.
Blymyer Iron Works Co., Richmond & Harriet Sts., Cincinnati, O.
Wm. Kehoe & Co., Savannah, Ga.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
George L. Squier Mfg. Co., Buffalo, N. Y.

F. CANE MILL ROLLERS.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Robert Deeley & Co., 507 W. 32d St., New York.
Gould & Cook, Leominster, Mass.
George R. Lombard & Co., Augusta, Ga.

G. CANE SHREDDING MACHINES.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Henry G. Morris, Drexel Building, Philadelphia, Pa.
Newell Universal Mill Co., 136 Liberty St., New York.

H. CENTRIFUGAL MACHINES.
Blymyer Iron Works Co., Richmond & Harriet Sts., Cincinnati, O.
Robert Deeley & Co., 507 W. 32d St., New York.
Henry G. Morris, 926 Drexel Building, Philadelphia, Pa.
George L. Squier Mfg. Co., Buffalo, N. Y.
J. Turl & Sons, 534 W. 28th St., New York.

I. CLARIFIERS.
Colwell Iron Works, 549 W. 27th St., New York.
Robert Deeley & Co., 507 W. 32d St., New York.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Risdon Iron & Locomotive Works, San Francisco, Cal.
J. Turl & Sons, 534 W. 28th St., New York.

J. CONDENSERS.
Colwell Iron Works, 549 W. 27th St., New York.
Robert Deeley & Co., 507 W. 32d St., New York.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.

K. COOLING PANS.
Murray Iron Works Co., Burlington, Iowa.

L. DEFECATORS.
Blymyer Iron Works Co., Richmond & Harriet Sts., Cincinnati, O.
Colwell Iron Works, 549 W. 27th St., New York.
Robert Deeley & Co., 507 W. 32d St., New York.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
John Turl & Sons, 534 W. 28th St., New York.

M. DIFFUSION BATTERIES.
Colwell Iron Works, 549 W. 27th St., New York.
Robert Deeley & Co., 507 W. 32d St., New York.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.

N. DOUBLE & TRIPLE EFFECTS.
Colwell Iron Works, 549 W. 27th St., New York.

O. DRYING MACHINES.
H. W. Butterworth & Sons Co., E. York & Cedar Sts., Phila., Pa.
Thos. Phillips & Co., Providence, R. I.

P. FILTER BAGS.
Alfred Dolge, Dolgeville, N. Y.
F. C. Johnson, 110 Worth St., New York.
Tingue, House & Co., 56 Reade St., New York. *28

Q. GRANULATORS.
Henry G. Morris, 926 Drexel Bldg., Philadelphia, Pa.

R. JUICE PUMPS.
Robert Deeley & Co., 507 W. 32d St., New York.
George L. Squier Mfg. Co., Buffalo, N. Y.
Worthington Pumping Engine Co., 145 B'way, New York. *241

S.	MACERATORS.	Fort Scott Foundry & Machine Works, Fort Scott, Kan.
T.	SATURATOR & BAGASSE MILLS.	Colwell Iron Works, 549 W. 27th St., New York.
U.	SORGHUM EVAPORATORS.	Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
		Brennan & Co., Louisville, Ky.
		Chattanooga Plow Co., Chattanooga, Tenn.
		G. H. Grimm Co., Hudson, O.
		James L. Haven Co., 56 Plum St., Cincinnati, O.
		Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
		Henry G. Morris, 926 Drexel Bldg., Philadelphia, Pa.
V.	SORGHUM MILLS.	Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
		Fort Worth Iron Works, Fort Worth, Tex.
		Jas. L. Haven Co., 56 Plum St., Cincinnati. O.
W.	SUGAR CUBE PRESSES.	G. H. Bushnell Co., Thompsonville, Conn.
X.	SUGAR EVAPORATORS.	Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
		Samuel Booth, 543 W. 35th St., New York.
		Brennan & Co., Louisville, Ky.
		Colwell Iron Works, 549 W. 27th St., New York.
		Robt. Deeley & Co., 507 W. 32d St., New York.
		Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
		G. H. Grimm Co., Hudson, O.
		James L. Haven Co., 56 Plum St., Cincinnati, O.
		Henry G. Morris, 209 S. 3d St., Philadelphia, Pa.
		Thos. Phillips & Co., Providence, R. I.
		C. C. Post, Burlington, Vt.
		George L. Squier Mfg. Co., Buffalo, N. Y.
		John Turl & Sons, 534 W. 28th St., New York.
Y.	SUGAR FILTERS.	Samuel Booth, 543 W. 35th St., New York.
		Colwell Iron Works, 549 W. 27th St., New York.
		Robert Deeley & Co., 507 W. 32d St., New York.
		Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Z.	SUGAR FILTERING PRESSES.	Colwell Iron Works, 549 W. 27th St., New York.
		Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
AA.	SUGAR FURNACES.	Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
		Chattanooga Plow Co., Chattanooga, Tenn.
		Henry G. Morris, 926 Drexel Bldg., Philadelphia, Pa.
BB.	SUGAR KETTLES.	E. Bement & Sons, Lansing, Mich.
		Samuel Booth, 543 W. 35th St., New York.
		Robert Deeley & Co., 507 W. 32d St., New York.
		F. & L. Kalm & Bros., Hamilton, O.
		Lithgow Mfg. Co., Louisville, Ky. *56
		Morgan Iron Works, ft. of E. 9th St., New York.
		George L. Squier Mfg. Co., Buffalo, N. Y.
CC.	SUGAR MACHINERY MOUNTINGS.	Robert Deeley & Co., 507 W. 32d St., New York.
		James Gregory, 106 Cannon St., New York.
DD.	SUGAR MOULDS.	John W. Jarboe & Son, 519 E. 19th St., New York.
EE.	SUGAR PANS.	Wm. Kehoe & Co., Savannah, Ga.
		Farrell Logan & Son, Commercial & Clay Sts., Brooklyn, N. Y.
		John Savery's Son & Co., 97 Beekman St., New York.
FF.	SUGAR PRESSES.	Robert Deeley & Co., 507 W. 32d St., New York.
		John Turl & Sons, 534 W. 28th St., New York.
GG.	SUGAR REFINING MACHINERY.	Colwell Iron Works, 549 W. 27th St., New York.
		Robert Deeley & Co., 507 W. 32d St., New York.
		Ribon & March, 1st & Provost Sts., Jersey City, N. J.
		John Turl & Sons, 534 W. 28th St., New York.
		Whittier Machine Co., 1176 Tremont St., Boston, Mass.
HH.	SUGAR WAGONS.	Colwell Iron Works, 549 W. 27th St., New York.
		Robert Deeley & Co., 507 W. 32d St., New York.
		Henry G. Morris, 926 Drexel Bldg., Philadelphia, Pa.
		John Turl & Sons, 534 W. 28th St., New York.
II.	VACUUM PANS.	Blymyer Iron Works Co., Richmond & Harriet Sts., Cin., O.
		Colwell Iron Works, 549 W. 27th St., New York.
		Robert Deeley & Co., 507 W. 32d St., New York.
		Dickson Mfg. Co., Scranton, Pa.
		H. Wm. Dopp & Son, 462 Ellicott St., Buffalo, N. Y.
		Ft. Scott Foundry & Machine Works Co., Ft. Scott, Kan.
		James Gregory, 106 Cannon St., New York.
		Guild & Garrison, Kent Av. & S. 10th St., Brooklyn, N. Y.
		Henry G. Morris, Drexel Building, Philadelphia, Pa.
		Jas. Oats & Sons, 228 Quarry St., Philadelphia, Pa.
		Thos. Phillips & Co., Providence, R. I.
		Risdon Iron & Locomotive Works, San Francisco, Cal.
		Trageser Steam Copper Works, 447 W. 26th St., New York.
		John Turl & Sons, 534 W. 28th St., New York.
JJ.	VACUUM PAN GAUGES.	Standard Thermometer Co., Peabody, Mass.

1791. SULPHUR MACHINERY.
Alex. Traud, Newark, N. J.

1792. SUPPOSITORY MACHINES.
Evan T. Ellis, 118 Chestnut St., Philadelphia, Pa.
A. M. Knowlson, Troy, N. Y.

1793. SURFACE PLATES.
Brown & Sharpe Mfg. Co., Providence, R. I.
Putnam Machine Co., Fitchburg, Mass.

1794. SYRINGES, BRASS.
Gleason & Bailey Mfg. Co., Seneca Falls, N. Y.

1795. TABLET MACHINES.
Jordan Tablet Machine Co., Tacony, Philadelphia, Pa.
H. K. Mulford & Co., 1800 Market St., Philadelphia, Pa.

1796. TACK CLAWS.
Hartford Hammer Co., Hartford, Conn.
Hagen & Reid, W. Troy, N. Y.
Humason & Beckley Mfg. Co., New Britain, Conn.
C. E. Jennings & Co., 81 Reade St., New York.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
H. H. Mayhew & Co., Shelburne Falls, Mass.
C. S. Osborne & Co., Newark, N. J.

1797. TANNERS' & CURRIERS' MACHINERY & TOOLS.

A. BARK MILLS.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Baugher, Kurtz & Stewart, York, Pa.
B. B. Beardsley, Waterville, N. Y.
Eureka Bark Mill Co., Lancaster, Pa.
Hinckley & Egery Iron Co., Bangor, Me.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Osgood & Barker, Bellows Falls, Vt.
Ott Bark Shaving Mill Co., La Crosse, Wis.

B. CURRIER BLADES.
American Saw Co., Trenton, N. J.
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Pacific Saw Mfg. Co., San Francisco, Cal.
Richardson Bros., Newark, N. J.

C. CURRIER STEELS.
Tuck Mfg. Co., Brockton, Mass.

D. CURRIERS' STONES.
Cleveland Stone Co., Cleveland, O.

E. CURRIERS' TOOLS.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Thompson & Campbell, 1022 Germantown Av., Phila., Pa.
M. Tidd, N. Woburn, Mass.

F. LEATHER GLAZING MACHINES.
Thompson & Campbell, 1022 Germantown Av., Phila., Pa.

G. LEATHER MEASURING MACHINES.
Sawyer Leather Machy. Co., 54 South St., Boston, Mass.

H. LEATHER POLISHING MACHINES.
J. T. Freeman & Co., Woburn, Mass.
Ross-Moyer Mfg. Co., 226 Sycamore St., Cincinnati, O.
Thompson & Campbell, 1022 Germantown Ave., Phila., Pa.

I. LEATHER SCOURING MACHINES.
Chas. Holmes (Est. of), 23 W. 1st St., Boston, Mass.

J. LEATHER SPLITTING MACHINES.
American Tool & Mach. Co., 84 Kingston St., Boston, Mass.
E. D. Brooks & Co., 100 High St., Boston, Mass.
Hawkins Machine Co., 110 Lincoln St., Boston, Mass.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Randall & Co., 520 W. 6th St., Cincinnati, O.
Stanley Mfg. Co., 108 Summer St., Boston, Mass.
Whittemore Mfg. Co., 31 South St., Boston, Mass.

K. LEATHER STAKING MACHINES.
J. T. Freeman & Co., Woburn, Mass.
Thompson & Campbell, 1022 Germantown Av., Phila., Pa.

L. LEATHER STUFFING MILLS.
J. T. Freeman & Co., Woburn, Mass.

M. MOROCCO LEATHER MACHINERY & TOOLS.
Thompson & Campbell, 1022 Germantown Av., Phila., Pa.

N. SKIVERS.
Tuck Mfg. Co., Brockton, Mass.

O. SLICKERS.
Richardson Bros., Newark, N. J.
L. & I. J. White, Buffalo, N. Y.

P. TANNERS' FLESHERS.
American Axe & Tool Co., Pittsburgh, Pa.
Wm. H. Horn & Bros., 451 N. 3d St., Philadelphia, Pa.
C. J. Kimball & Son, Bennington, N. H.
Thompson, Hall & Co., Portland, Me.

Q. TANNERS' FORKS.
Auburn Mfg. Co., Auburn, N. Y.
Sheble & Klemm, Frankford, Philadelphia, Pa.

R. TANNERS' MACHINERY.
McEwen Bros., Wellsville, N. Y.
Struthers, Wells & Co., Warren, Pa.

S. TANNERS' TOOLS.
Wm. H. Horn & Bros., 451 N. 3d St., Philadelphia, Pa.

1798. TAPS & DIES.
American Screw Co., Providence, R. I.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Billings & Spencer Co., Hartford, Conn. *103
Brown & Sharpe Mfg. Co., Providence, R. I.
Butterfield & Co., Derby Line, Vt.
S. W. Card & Co., Mansfield, Mass.

J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Cleveland Twist Drill Co., Cleveland, O.
French Adjustable Tool Co., Providence, R. I.
Hart Mfg. Co., Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
W. Herrick, Northampton, Mass.
Holroyd & Co., Waterford, N. Y.
J. M. King & Co., Waterford, N. Y.
Morse Twist Drill & Machine Co., New Bedford, Mass. *120
Pratt & Whitney Co., Hartford, Conn.
Queen City Supply Co., 161 W. Pearl St., Cincinnati, O.
Reynolds & Co., New Haven, Conn.
Standard Tool Co., Cleveland, O.
J. H. Sternbergh & Son, Reading, Pa.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Wells Bros. & Co., Greenfield, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1799. TELEGRAPH CONSTRUCTION TOOLS.
Western Electric Co., 227 S. Clinton St., Chicago, Ill.

1800. TEMPLETS.
Richardson Bros., Newark, N. J.

1801. TESTING MACHINES.
Buffalo Scale Co., Buffalo, N. Y.
Riehle Bros., 413 Market St., Philadelphia, Pa.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Warfield Mfg. Co., Baltimore, Md.
Yale & Towne Mfg. Co., Stamford, Conn.

A. CEMENT TESTERS.
Tinius Olsen & Co., 500 N. 12th St., Philadelphia, Pa.
Union Water Meter Co., Worcester, Mass.

B. PAPER TESTING MACHINES.
E. Morrison Paper Co., 805 D St., Washington, D. C.

1802. TILE MACHINERY.

A. HOLLOW BLOCK MACHINERY.
Frey-Sheckler Co., Bucyrus, O. *162

B. REVOLVING TILE TABLES.
E. M. Freese & Co., Plymouth, O.

C. SEWER PIPE PRESSES.
Stevenson & Co., Wellsville, O.
Taplin, Rice & Co., Akron, O.
Webster, Camp & Lane Machine Co., Akron, O. *258-61

D. TERRA COTTA LUMBER MACHINES.
Frey-Sheckler Co., Bucyrus, O. *162

E. TILE DIES.
Frey-Sheckler Co., Bucyrus, O. *162

F. TILE ELEVATORS.
Frey-Sheckler Co., Bucyrus, O. *162
Iwan Bros., Streator, Ill.
Jeffrey Mfg. Co., Columbus, O.
Link-Belt Machinery Co., 39th St. & Stewart Av., Chicago, Ill.

G. TILE KILN IRONS.
Adrian Brick & Tile Machine Co., Adrian, Mich.
D. J. C. Arnold, New London, O.

H. TILE MILLS.
Eagle Machine Works Mfg. Co., 940 N. Main St., St. Louis, Mo.

I. TILE PRESSES.
G. H Bushnell Co., Thompsonville, Conn.
Wm. Fisher, Pittsburgh, Pa.

J. TILE TRUCKS.
D. J. C. Arnold, New London, O.
E. M. Freese & Co., Plymouth, O.

1803. TIRE MACHINERY.

A. TIRE BENDERS.
Champion Blower & Forge Co., Lancaster, Pa.
Fulton Iron & Engine Works, Detroit, Mich.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Landis & Haverstick, Lancaster, Pa, *164
Potts & Weber, Lancastr, Pa.
Wells Bros. & Co., Greenfield, Mass.
Wiley & Russell Mfg. Greenfield, Mass.

B. TIRE BOLT CLAMPS.
E. C. Stearns & Co., Syracuse, N. Y.
Wiley & Russell Mfg. Co., Greenfield, Mass.

C. TIRE HEATING MACHINES.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Sherburne & Co., 53 Oliver St., Boston, Mass.

D. TIRE MEASURING WHEELS.
Wells Brcs. & Co., Greenfield, Mass.
Wiley & Russell Mfg. Co., Syracuse, N. Y.

E. TIRE SETTERS, POWER.
Defiance Machine Works, Defiance. O.
Williams, White & Co., Moline, Ill.

F. TIRE UPSETTERS.
Champion Blower & Forge Co., Lancaster, Pa.
Fulton Iron & Engine Works, Detroit, Mich.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Wells Bros. & Co., Greenfield, Mass.
L. A. Weyburn Co., Rockford, Ill.
Wiley & Russell Mfg. Co., Greenfield, Mass.

1804. TIRE MACHINES, BICYCLE.
Blake & Johnson, Waterbury, Conn.

1805. TOBACCO KNIVES.
American Axe & Tool Co., Pittsburgh, Pa.
E. C. Atkins & Co., Indianapolis, Ind. *198
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Phila., Pa.
New York Tobacco Machine Co., 123 Pearl St., New York
Northampton Cutlery Co., Northampton, Mass.
Simonds Mfg. Co., Fitchburg, Mass.
L. & I. J. White, Buffalo, N. Y.

1806. TOBACCO MACHINERY.

A. PLUG TOBACCO MOULDS.
Cardwell Machine Co., Richmond, Va.
Laidlaw & Dunn Co , 186 W. 2d St., Cincinnati, O.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
New York Tobacco Machine Co., 123 Pearl St., New York.

B. PLUG TOBACCO PRESSES.
Adams Tobacco Press Co., Quincy, Ill.
Cardwell Machine Co., Richmond, Va.
Laidlaw & Dunn Co., 186 W. 2d St., Cincinnati, O.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
New York Tobacco Machine Co., 123 Pearl St , New York.

C. STEM ROLLERS.
New York Tobacco Machine Co., 123 Pearl St., New York.

D. TOBACCO CUTTING MACHINES.
Buckeye Iron & Brass Works, Dayton, O.
J. De Beauvais, 2 Howard St., New York.
New York Tobacco Machine Co., 123 Pearl St., New York.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.

E. TOBACCO DRYING MACHINES.
John B. Adt, Baltimore, Md.
B. C. Bibb Stove Co., Baltimore, Md.
New York Tobacco Machine Co., 123 Pearl St., New York.
St. Albans Mfg. Co., St. Albans, Vt.
Standard Dry Kiln Co., Louisville, Ky.

F. TOBACCO GRANULATORS.
New York Tobacco Machine Co., 123 Pearl St., New York.

G. TOBACCO RINGERS.
New York Tobacco Machine Co., 123 Pearl St., New York.

1807. TOBACCO SHAVES.
C. E. Jennings & Co., 81 Reade St., New York.
Landers, Frary & Clark, New Britain, Conn.

1808. TONGS, MACHINISTS'.
Hoggson & Pettis Mfg. Co., New Haven, Conn.

1809. TOOL CABINETS.
Miller's Falls Co., Miller's Falls, Mass.

1810. TOOL CHESTS.

A. AMATEUR TOOL CASES.
H. H. Mayhew & Co., Shelburne Falls, Mass.

B. MACHINISTS' TOOLS CHESTS.
American Tool Co., 200 W. Houston St., New York.
R. Bliss Mfg. Co., Pawtucket, R. I.
C. E. Jennings & Co., 81 Reade St., New York.

1811. TOOL HANDLES.

A. ADZE HANDLES.
Council Bluffs Handle Factory, Council Bluffs, Iowa.
Frankfort Handle Mfg. Co., Frankfort, Ind.
Harrisburg Handle Co., Harrisburg, Pa.
Turner, Day & Woolworth Mfg. Co., Louisville, Ky.

B. AUGER HANDLES.
R. Bliss Mfg. Co., Pawtucket, R. I.
Council Bluffs Handle Factory, Council Bluffs, Iowa.
Ellrich Hardware Mfg. Co., Plantsville, Conn.
C. E. Jennings & Co., 81 Reade St., New York.
Piqua Handle & Mfg. Co., Piqua, O. *212
Sandusky Tool Co., Sandusky, O. *210
Williams & Marvin, Deep River, Conn.

C. AWL HANDLES.
R. Bliss Mfg. Co., Pawtucket, R. I.
H. Chapin's Sons, Pine Meadow, Conn.
Council Bluffs Handle Factory, Council Bluffs, Iowa.
E. B. Estes & Sons, 254 Pearl St., New York.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
H. A. Lothrop Mfg. Co., Sharon, Mass.
Novelty Wood Works, Union City, Pa.
Ohio Tool Co., Columbus, O. *207
H. P. Osborne, Newark, N. J.
Piqua Handle & Mfg. Co., Piqua, O. *212
Sandusky Tool Co., Sandusky, O. *210
Smith Bros., Whigville, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Union Hardware Co., Torrington, Conn.
Williams & Marvin, Deep River, Conn.

D. AXE HANDLES.
Council Bluffs Handle Factory, Council Bluffs, Iowa.
N. R. Flint, E. Hiram, Me.
Frankfort Handle Mfg. Co., Frankfort, Ind.
Harrisburg Handle Co., Harrisburg, Pa.
H. H. Harvey, 116 High St., Boston, Mass.
Nashville Spoke & Handle Co., Nashville, Tenn.
Standard Handle Co., Knoxville, Tenn.

	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
E. BLACKSMITH HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Ellrich Hardware Mfg. Co., Plantsville, Conn.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
F. BUCK SAW FRAMES.	C. E. Jennings & Co., 81 Reade St., New York.	
	Ohio Tool Co., Columbus, O.	*207
G. CANT HOOK HANDLES.	J. A. Dubuar Mfg. Co., Northville, Mich.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
H. CHISEL HANDLES.	R. Bliss Mfg. Co., Pawtucket, R. I.	
	H. Chapin's Son, Pine Meadow, Conn.	
	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Ellrich Hardware Mfg. Co., Plantsville, Conn.	
	Nashville Spoke & Handle Works, Nashville, Tenn.	
	Ohio Tool Co., Columbus, O.	*207
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Sandusky Tool Co., Sandusky, O.	*210
	Smith Bros., Whigville, Conn.	
	Williams & Marvin, Deep River, Conn.	
	Union Hardware Co., Torrington, Conn.	
I. FARMING TOOL HANDLES.	Carter & Co., Scranton, Pa.	
	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Derby & Ball, Bellows Falls, Vt.	
	E. B. Estes & Sons, 254 Pearl St., New York.	
	Findlay Stave & Handle Co., Findlay, O.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Geneva Tool Co., Geneva, O.	
	G. V. Griffith & Son, Huntington, Ind.	
	Holloway & Turner, Lebanon, Ind.	
	Iowa Farming Tool Co., Fort Madison, Iowa.	
	Kerr Bros. & Co., Hicksville, O.	
	G. B. Lesh Mfg. Co., Warsaw, Ind.	
	Richard W. Montross, Galien, Mich.	
	Nashville Spoke & Handle Works, Nashville, Tenn.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	George Spratt & Co., Sheboygan, Wis.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
J. FILE HANDLES.	Chantrell Tool Co., Reading, Pa.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Novelty Wood Works, Union City, Pa.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Sandusky Tool Co., Sandusky, O.	*210
	Smith Bros., Whigville, Conn.	
	Union Hardware Co., Torrington, Conn.	
	Williams & Marvin, Deep River, Conn.	
K. FORK HANDLES.	Alexander & Perkins, Sunapee, N. H.	
	Derby & Ball, Bellows Falls, Vt.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Kerr Bros. & Co., Hicksville, O.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	O. B. Selfridge & Co., Lima, O.	
	Sheble & Klemm, Frankford, Philadelphia, Pa.	
	Stafford & Holden Mfg. Co., Barre, Vt.	
L. HAMMER HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	E. B. Estes & Sons, 254 Pearl St., New York.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Harrisburg Handle Co., Harrisburg, Pa.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Nashville Spoke & Handle Co., Nashville, Tenn.	
	Ohio Tool Co., Columbus, O.	*207
	Standard Handle Co., Knoxville, Tenn.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
M. HATCHET HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	E. B. Estes & Sons, 254 Pearl St., New York.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Harrisburg Handle Co., Harrisburg, Pa.	
	Nashville Spoke & Handle Works, Nashville, Tenn.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
N. HICKORY HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Harrisburg Handle Co., Harrisburg, Pa.	
	Standard Handle Co., Knoxville, Tenn.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
O. HOE HANDLES.	Alexander & Perkins, Sunapee, N. H.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Nashville Spoke & Handle Co., Nashville, Tenn.	

	Piqua Handle & Mfg. Co., Piqua, O.	*212
P. HOLLOW HANDLES, TOOL.	Chantrell Tool Co., Reading, Pa.	
Q. ICE PICK HANDLES.	E. B. Estes & Sons, 254 Pearl St., New York.	
	Nashville Spoke & Handle Co., Nashville, Tenn.	
	Novelty Wood Works, Union City, Pa.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
	Williams & Marvin, Deep River, Conn.	
R. IRON HANDLES.	A. F. Bannister & Co., Newark, N. J.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
S. MAUL HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Harrisburg Handle Co., Harrisburg, Pa.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
T. PICK HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Harrisburg Handle Co., Harrisburg, Pa.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Nashville Spoke & Handle Co., Nashville, Tenn.	
	Standard Handle Co., Knoxville, Tenn.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
U. PLANE HANDLES.	H. Chapin's Sons, Pine Meadow, Conn.	
	Ohio Tool Co., Columbus, O.	*207
	Richardson Bros., Newark, N. J.	
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
V. RAKE HANDLES.	J. Cheesebro, Freeport, Mich.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Nashville Spoke & Handle Co., Nashville, Tenn.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	George Pratt & Co., Sheboygan, Wis.	
W. SAW HANDLES.	American Saw Co., Trenton, N. J.	
	E. C. Atkins & Co., Indianapolis, Ind.	*198
	H. Chapin's Sons, Pine Meadow, Conn.	
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	E. B. Estes & Sons, 254 Pearl St., New York.	
	National Saw Co., 96 Reade St., New York.	
	Richardson Bros., Newark, N. J.	
	Sandusky Tool Co., Sandusky, O.	*210
	Stanley Rule & Level Co., New Britain, Conn.	
X. SAW HANDLES, CROSS CUT.	American Saw Co., Trenton, N. J.	
	H. Chapin's Sons, Pine Meadow, Conn.	
	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.	
	National Saw Co., 96 Reade St., New York.	
	Richardson Bros., Newark, N. J.	
Y. SCREW DRIVER HANDLES.	E. B. Estes & Sons, 254 Pearl St., New York.	
	Nashville Spoke & Handle Works, Nashville, Tenn.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Stanley Rule & Level Co., New Britain, Conn.	
	Union Hardware Co., Torrington, Conn.	
Z. SHOE KNIFE HANDLES.	E. B. Estes & Sons, 254 Pearl St., New York.	
	Nashville Spoke & Handle Works, Nashville, Tenn.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Wilbur Webster, E. Jaffrey, N. H.	
AA. SHOVEL HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Kerr Bros. & Co., Hicksville, O.	
	Marion Handle Works, Marion, Ind.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
BB. SLEDGE HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Nashville Spoke & Handle Co., Nashville, Tenn.	
	Standard Handle Co., Knoxville, Tenn.	
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
CC. SPADE HANDLES.	Council Bluffs Handle Factory, Council Bluffs, Iowa.	
	Frankfort Handle Mfg. Co., Frankfort, Ind.	
	Marion Handle Works, Marion, Ind.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
DD. STRAIGHT TAPER HANDLES.	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Turner, Day & Woolworth Mfg. Co., Louisville, Ky.	
EE. WRENCH HANDLES.	Novelty Wood Works, Union City, Pa.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
	Williams & Marvin, Deep River, Conn.	

1812. TOOL SETS, HOLLOW HANDLE.

John S. Fray & Co., Bridgeport, Conn.

C. E. Jennings & Co., 81 Reade St., New York.
Stanley Rule & Level Co., New Britain, Conn.

1813. TOOTH PICK MACHINERY.

Coe & Wilkes, Plainville, O.

1814. TRACING WHEELS.

J. H. Hoague, Chicopee, Mass.
C. S. Osborne & Co., Newark, N. J.
F. P. Rosback, 41 S. Canal St., Chicago, Ill.
Sewing Machine Supplies Co., 105 Summer St., Boston, Mass.
Specialty Mfg. Co., Waterbury, Conn.

A. COMBINED BIAS CUTTER & TRACING WHEEL. New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

1815. TRAMWAYS, OVERHEAD.

Dickson Mfg. Co., Scranton, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Edwin Harrington, Son & Co., N. 15th St. & Penn. Av., Phila., Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

1816. TREE FELLING MACHINES, STEAM.

Wm. E. Hill & Co., Kalamazoo, Mich.

1817. TROWELS.

Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
M. Price, Newark, N. J.
Shepard Hardware Co., Buffalo, N. Y.

1818. TUNNELLING MACHINERY.

Ingersoll-Sergeant Drill Co., 10 Park Place, New York.
Rand Drill Co., 23 Park Place, New York. *218

1819. TYPE SETTING MACHINES.

Thorne Type Setting Machine Co., Hartford, Conn.

A. LINOTYPE MACHINES. Mergenthaler Printing Co., 154 Nassau St., New York.

1820. TWEEZERS.

O. W. Bullock & Co., Springfield, Mass.
J. S. Burch Co., 79 Washington St., Brooklyn, N. Y.
A. N. Clark, Plainville, Conn.
Hemsley & Co., Newark, N. J.

1821. TYPEWRITING MACHINES.

American Writing Machine Co., Hartford, Conn.
Crandall Machine Co., Groton, N. Y.
Hall Typewriter Co., Salem, Mass.
Hammond Typewriter Co., 447 E. 52d St., New York.
Hartford Typograph Co., Hartford, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Merritt Mfg. Co., Springfield, Mass.
Muir, Hawley & Mayo Co., 343 Broadway, New York.
Munson Type Writer Co., 164 Market St., Chicago, Ill.
National Type Writer Co., 10 Temple Place, Boston, Mass.
Pope Mfg. Co., 77 Franklin St., Boston, Mass. *92
Remington Standard Type Writer Mfg. Co., Ilion, N. Y.
Smith Premier Type Writer Co., Syracuse, N. Y.

A. POCKET TYPEWRITERS. Shaver Corporation, 207 Broadway, New York.

1822. UNIVERSAL CUTTERS. Cincinnati Milling Machine Co., 2d & Plum Sts., Cin., O. *120

1823. VACUUM PUMPS, INCANDESCENT LAMP.

Norman Hubbard, 93 Pearl St., Brooklyn, N. Y.

1824. VALVE REPAIRING MACHINES.

C. F. Hall & Son, Skaneateles, N. Y.

1825. VANILLA BEAN CUTTERS.

B. Stanbach, 235 Greenwich St., New York.

1826. VISES.

A. AMATEUR VISES.

Billings & Spencer Co., Hartford, Conn. *103
Prentiss Vise Co., 44 Barclay St., New York.
H. B. Smith Co., Westfield, Mass. *55

B. BENCH VISES.

Armstrong Mfg. Co., Bridgeport, Conn. *154
Athol Machine Co., Athol, Mass.
Billings & Spencer Co., Hartford, Conn. *103
Fulton Iron & Engine Works, Detroit, Mich.
Howard Iron Works, Buffalo, N. Y.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Joyce, Cridland & Co., Dayton, O.
Meadville Vise Co., Ltd., Meadville, Pa.
Melvin Stephens, 41 Dey St., New York.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Prentiss Vise Co., 44 Barclay St., New York.
H. B. Smith Co., Westfield, Mass. *55
H. B. Smith Machine Co., Smithville, N. J.
E. C. Stearns & Co., Syracuse, N. Y.
Wyman & Gordon, Worcester, Mass.

C. BLACKSMITHS' VISES. Armstrong Mfg. Co., Bridgeport, Conn. *154

	Howard Iron Works, Buffalo, N. Y.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Prentiss Vise Co., 44 Barclay St., New York.	
	H. B. Smith Co., Westfield, Mass.	*55
D. CARRIAGE MAKERS' VISES.	Athol Machine Co., Athol, Mass.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Meadville Vise Co., Ltd., Meadville, Pa.	
	Prentiss Vise Co., 44 Barclay St., New York.	
E. COMBINATION VISE & ANVIL.	Fairbanks & Co., 311 Broadway, New York.	
F. FARMERS' VISES.	Athol Machine Co., Athol, Mass.	
	Howard Iron Works, Buffalo, N. Y.	
	Meadville Vise Co., Ltd., Meadville, Pa.	
	Prentiss Vise Co., 44 Barclay St., New York.	
G. FOOT VISES.	P. F. Burke, 360 Dorchester Av., Boston, Mass.	
	Wells Bros. & Co., Greenfield, Mass.	
H. HAND VISES.	Billings & Edmunds Mfg. Co., Rocky Hill, Conn.	
	Billings & Spencer Co., Hartford, Conn.	*103
	J. H. Hoague, Chicopee, Mass.	
	Howard Iron Works, Buffalo, N. Y.	
I. HEAVY CHIPPING VISES.	Athol Machine Co., Athol, Mass.	
	Bonney Vise & Tool Works, 3015 Chestnut St., Phila., Pa.	
	Howard Iron Works, Buffalo, N. Y.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Meadville Vise Co., Ltd., Meadville, Pa.	
	Prentiss Vise Co., 21 Dey St., New York.	
J. OFFSET JAW VISES.	Meadville Vise Co., Ltd., Meadville, Pa.	
	Moore Mfg. & Foundry Co., Milwaukee, Wis.	
K. PARALLEL VISES.	Athol Machine Co., Athol, Mass.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Meadville Vise Co., Ltd., Meadville, Pa.	
	Merrill Bros., 465 Kent Av., Brooklyn, N. Y.	
	Prentiss Vise Co., 44 Barclay St., New York.	
L. RAPID TRANSIT VISES.	Athol Machine Co., Athol, Mass.	
	Prentiss Vice Co., 44 Barclay St., New York.	
	Wyman & Gordon, Worcester, Mass.	
M. SAW VISES.	Bonney Vice & Tool Works, 3015 Chestnut St., Phila., Pa.	
	Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	Seneca Falls Mfg. Co., Seneca Falls, N. Y.	
	E. C. Stearns & Co., Syracuse, N. Y.	
N. SAW VISES, SILENT.	E. C. Stearns & Co., Syracuse, N. Y.	
O. SELF-ADJUSTING JAW VISES.	Garvin Machine Co., 9 Laight St., New York.	
	Prentiss Vice Co., 44 Barclay St., New York.	
	Wyman & Gordon, Worcester, Mass.	
P. SOLID BOX VISES.	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Prentiss Vice Co., 44 Barclay St., New York.	
Q. SWIVEL VISES.	Athol Machine Co., Athol, Mass.	
	Meadville Vise Co., Ltd., Meadville, Pa.	
	Merrill Bros., 465 Kent Av., Brooklyn, N. Y.	
	Prentiss Vice Co., 44 Barclay St., New York.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Melvin Stephens, 41 Dey St., New York.	
R. VISE BOXES & SCREWS.	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Prentiss Vice Co., 44 Barclay St., New York.	
S. VISE FILE HOLDERS.	Nicholson File Co., Providence, R. I.	
. WOODWORKERS' POST VISES.	Meadville Vise Co., Ltd., Meadville, Pa.	
1827. WAGON JACKS.	Joseph Allen, Palmyra, N. Y.	
	Chas. G. Allen, Barre, Mass.	
	Ames Plow Co., Quincy Hall, Boston, Mass.	
	Appleton Mfg. Co., Appleton, Wis.	
	Wm. Beckert, Allegheny City, Pa.	
	Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.	
	A. Blaker & Co., Newtown, Pa.	
	Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.	
	Chalfant Mfg. Co., Atglen, Pa.	
	Covert Mfg. Co., W. Troy, N. Y.	*17
	Hughes & Smythe, Galena, O.	
	Illinois Iron & Bolt Co., Carpentersville, Ill.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Lane Bros., Poughkeepsie, N. Y.	
	T. B. Mallory, Flemington, N. J.	
	McSherry Mfg. Co., Dayton, O.	
	Milburn Wagon Co., Toledo, O.	
	Thos. Peppler, Hightstown, N. J.	

Racine Malleable & Wrought Iron Co., Racine, Wis.
E. W. Rider Mfg. Co., Racine, Wis.
Henry Schomer, 299 S. Canal St., Chicago, Ill.
St. Albans Foundry, St. Albans, Vt.
Sutton Bros. & Bell, Indiana, Pa.
Geo. Wheeler, Norwich, N. Y.

1828. WAGON MACHINERY. Buss Machine Works, Grand Rapids, Mich.
Egan Company, 232 W. Front St., Cincinnati, O. *178
Williams, White & Co., Moline, Ill.

1829. WALL PAPER HANGERS' TOOLS.

A. PAPER HANGERS' KNIVES. Tuck Mfg. Co., Brockton, Mass.
B. PAPER HANGERS' ROLLERS. T. W. & C. B. Sheridan, 2 Reade St., New York.
C. WALL PAPER TRIMMERS. Henry A. Snowden, Wilmington, O.
D. WALL SCRAPERS. Richardson Bros., Newark, N. J.

1830. WASHER CUTTERS. Bonney Vise & Tool Works, 3015 Chestnut St., Philadelphia, Pa.
Bradley & Pierson Mfg. Co., 298 Broadway, New York.
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.
C. S. Osborne & Co., Newark, N. J.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Phila., Pa.
Otis A. Smith, Rockfall, Conn.
F. R. Woodward, Hill, N. H.

1831. WATCH CASE MACHINERY.
Pierce & Noble, Newark, N. J.
Sloan, Chace & Co., 289 Washington St., Newark, N. J.
Willets Machine Co., Providence, R. I.

A. WATCH CASE SOLDERING BLOCKS. Chalmers-Spence Co., 419 E. 8th St., New York.

1832. WATCH TOOLS. American Watch Tool Co., Waltham, Mass.
O. W. Bullock & Co., Springfield, Mass.
Chicago Watch Tool Co., 52 Madison St., Chicago, Ill.
A. N. Clark, Plainville, Conn.
Faneuil Watch Tool Co., 474 Washington St., Boston, Mass.
Moseley & Co., Elgin, Ill.
Ohio Watch Tool Co., Piqua, O.
Waltham Watch Tool Co., Waltham, Mass.

A. PINION CUTTERS. O. W. Bullock & Co., Springfield, Mass.
Faneuil Watch Tool Co., 474 Washington St., Boston, Mass.
B. PIN VISES. O. W. Bullock & Co., Springfield, Mass.
C. WATCHMAKERS' LATHE CHUCKS. O. W. Bullock & Co., Springfield, Mass.
Moseley & Co., Elgin, Ill.
D. WATCHMAKERS' LATHES. O. W. Bullock & Co., Springfield, Mass.
Faneuil Watch Tool Co., 474 Washington St., Boston, Mass.
Moseley & Co., Elgin, Ill.
E. WHEEL CUTTERS. O. W. Bullock & Co., Springfield, Mass.
Faneuil Watch Tool Co., 474 Washington St., Boston, Mass.

1833. WATER FILTERS. Albany Steam Trap Co., Albany, N. Y.
Cumberland Mfg. Co., 220 Devonshire St., Boston, Mass.
O. H. Jewell Filter Co., 73 W. Jackson St., Chicago, Ill.
National Water Purifying Co., 145 Broadway, New York.
Peck Bros. Co., New Haven, Conn.
Wainwright Mfg. Co. of Mass., 8 Oliver St., Boston, Mass.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

A. GLASS-LINED STEEL FILTERS. Detroit Safe Co., Detroit, Mich.
B. ICE MACHINE FILTERS. Frick Co., Waynesboro', Pa. *153

1834. WAX CUTTERS. Progressive Iron Works Co., 251 Greenpoint Av., Brooklyn, N.Y.

1835. WEDGES.

A. COAL WEDGES. Atha Tool Co., Newark, N. J. *82
Collins Co., Collinsville, Conn.
Detroit Steel & Spring Co., Detroit, Mich.
Abner Doble Co., San Francisco, Cal.
H. H. Harvey, 116 High St., Boston, Mass.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.
B. STEEL WEDGES. Collins Co., Collinsville, Conn.
Abner Doble Co., San Francisco, Cal.
Iron City Tool Works, Ltd., Pittsburgh, Pa.
C. WOODCHOPPERS' WEDGES. Atha Tool Co., Newark, N. J. *82
Buffalo Hammer Co., Buffalo, N. Y.
Collins Co., Collinsville, Conn.
Detroit Steel Spring Co., Detroit, Mich.
Hartford Hammer Co., Hartford, Conn.
H. H. Harvey, 116 High St., Boston, Mass.
Iron City Tool Works, Ltd., Pittsburgh, Pa.

Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.

1836. WELL MACHINERY & TOOLS.

A. ARTESIAN WELL MACHINERY.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Fort Worth Iron Works, Fort Worth, Tex.
Keystone Driller Co., Ltd., Beaver Falls, Pa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Williams Bros., Ithaca, N. Y.

B. ARTESIAN WELL TOOLS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Fort Worth Iron Works, Fort Worth, Tex.
Olmsted & Co., 75 N. Clinton St., Chicago, Ill.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Williams Bros., Ithaca, N. Y.

C. BULL WHEELS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Coss Mfg. Co., Lima, O.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
E. C. Stearns & Co., Syracuse, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Williams Bros., Ithaca, N. Y.

D. DRIVE WELL EQUIPMENTS

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Gleason & Bailey Mfg. Co., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Rumsey & Co., Ltd., 107 Liberty St., New York.

E. DRIVE WELL PIPE HOLDERS

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Olmsted & Co., 75 N. Clinton St., Chicago, Ill.
R. R. Rouse, Indianapolis, Ind.

F. DRIVE WELL PIPE LIFTERS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Olmsted & Co., 75 N. Clinton St., Chicago, Ill.

G. DRIVE WELL POINTS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
A. D. Cook, Lawrenceburg, Ind.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Humphreys Mfg. Co., Mansfield, O.
Olmsted & Co., 75 N. Clinton St., Chicago, Ill.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
R. R. Rouse, Indianapolis, Ind.
Rumsey & Co., Ltd., 107 Liberty St., New York.

H. EARTH AUGERS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill
Hercules Powder Co., Cleveland, O.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Williams Bros., Ithaca, N. Y.

I. OIL WELL MACHINERY.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Fulton Iron Works, San Francisco, Cal.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Struthers, Wells & Co., Warren, Pa.
Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Williams Bros., Ithaca, N. Y.

J. OIL WELL TOOLS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Buffalo Steam Engine Works, Buffalo, N. Y.
Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
Fort Worth Iron Works, Fort Worth, Tex.
J. Herbertson & Son, Brownsville, Pa.
Irvine & Morgan, Duke Centre, Pa.
McDougall & Potter, 606 W. 55th St., New York.
Oil Well Supply Co., Pittsburgh, Pa.
Chas. Phillips, Richburg, N. Y.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Jas. Smith, Franklin, Pa.
Williams Bros., Ithaca, N. Y.

K. RIG IRONS.

American Well Works, Aurora, Ill.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.

	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.	
	Williams Bros., Ithaca, N. Y.	
L. TRACTION DRILLING MACHINERY.	American Well Works, Aurora, Ill.	
	F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.	
	Keystone Driller Co., Ltd., Beaver Falls, Pa.	
	Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.	
M. WELL SINKING MACHINERY.	American Well Works, Aurora, Ill.	
	F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.	
	C. A. Brockett & Co., Kansas City, Mo.	
	F. F. Collins Mfg. Co., San Antonio, Tex.	
	Flint & Walling Mfg. Co., Kendallville, Ind.	*139
	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.	
	Gray Bros. & Co., Milwaukee, Wis.	
	Hess, Snyder & Co., Massillon, O.	
	Kalamazoo Tubular Well Co., Kalamazoo, Mich.	
	Keystone Driller Co., Ltd., Beaver Falls, Pa.	
	Loomis & Nyman, Tiffin, O.	
	Morgan, Kelley & Taneyhill, Waterloo, Iowa.	
	Novelty Iron Works, Dubuque, Iowa.	
	Oil Well Supply Co., Pittsburgh, Pa.	
	Pennsylvania Diamond Drill & Mfg. Co., Birdsboro', Pa.	
	Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.	
	Smith & Vaile Co., Dayton, O.	
	Treman, Waterman & Co., Ithaca, N. Y.	
	Williams Bros., Ithaca, N. Y.	
N. WELL TOOL JARS.	American Well Works, Aurora, Ill.	
	F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.	
	Dickson Mfg. Co., Scranton, Pa.	
	Emery Mfg. Co., Bradford, Pa.	
	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.	
	Pierce Artesian Oil Well Supply Co., 80 Beaver St., New York.	
	Williams Bros., Ithaca, N. Y.	
O. WELL TOOLS	American Well Works, Aurora, Ill.	
	F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.	
	Bovaird, Seyfang & Co., Bradford, Pa.	
	Emery Mfg. Co., Bradford, Pa.	
	Flint & Walling Mfg. Co., Kendallville, Md.	*139
	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.	
	Morgan, Kelley & Taneyhill, Waterloo, Iowa.	
	Pierce Artesian Oil Well Supply Co., 80 Beaver St., New York.	
	Wm. Robertson & Son, Bradford, Pa.	
	R. R. Rouse, Indianapolis, Ind.	
	Williams Bros., Ithaca, N. Y.	
1837. WHEEL MACHINERY.		
A. BOXING MACHINES.	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	Silver Mfg. Co., Salem, O.	*205
	H. B. Smith Machine Co., Smithville, N. J.	
B. BOX SETTING MACHINES.	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
C. FELLY MACHINERY.	Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.	
	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	McIvers Bros. Machine Co., Worcester, Mass.	
D. HUB BAND SETTERS.	Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.	
E. HUB BORING MACHINES.	Cyclone Mfg. Co., De Witt, Iowa.	
	H. A. Moyer, Syracuse, N. Y.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Silver Mfg. Co., Salem, O.	*205
F. HUB LATHES.	Defiance Machine Works, Defiance, O.	
G. HUB MORTISING MACHINES.	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	C. B. Rogers & Co., Norwich, Conn.	*154
H. HUB ROUGHERS.	Defiance Machine Works, Defiance, O.	
I. SPOKE MACHINERY.	Defiance Machine Works, Defiance, O.	
	Egan Co., 232 W. Front St., Cincinnati, O.	*178
	J. A. Fay & Co., John & Front Sts., Cincinnati, O.	
	McIvers Bros. Machine Co., Worcester, Mass.	
	C. A. Pettingell, Amesbury, Mass.	
	C. B. Rogers & Co., Norwich, Conn.	*154
	Sandusky Machine & Agricultural Works, Sandusky, O.	
	H. B. Smith Machine Co., Smithville, N. Y.	
	E. C. Stearns & Co., Syracuse, N. Y.	
1838. WHETSTONES.		
A. AXE STONES.	Cleveland Stone Co., Cleveland, O.	
	Pike Mfg. Co., Pike Station, N. H.	
B. DRY RUBBING & SHARPENING STONES.	Northampton Emery Wheel Co., Northampton, Mass.	*132

	Norton Emery Wheel Co., Worcester, Mass.	*162
C. OIL STONES.	Geo. Chase, 308 E. 10th St., New York.	
	Cleveland Stone Co., Cleveland, O.	
	Pike Mfg. Co., Pike Station, N. H.	
	J. J. Sutton, Hot Springs, Ark.	
D. OIL & RUB STONES, EMERY.	Northampton Emery Wheel Co., Leeds, Mass.	*132
	Norton Emery Wheel Co., Worcester, Mass.	*162
	Waltham Emery Wheel Co., Waltham, Mass.	
E. RUB STONES, VITRIFIED.	S. Obermayer Fdry. Sup. Mfg.Co.,Evans S.of 8th St.,Cin.,O.	*54

1839. WHITE LEAD WORKS MACHINERY.

	Robt. Poole & Son Co., Baltimore, Md.	*132
	Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.	

1840. WIRE MACHINERY.

A. ADJUSTABLE WIRE REELS.	John Adt & Son, New Haven, Conn.	
B. CONTINUOUS WIRE DRAWING MACHINES.	Waterbury Machine Co., Waterbury, Conn.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
C. WIRE CABLING MACHINES.	New England Butt Co., Providence, R. I.	*138
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
D. WIRE CUTTING MACHINERY.	John Adt & Son, New Haven, Conn.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
E. WIRE DIES.	Wm. McFarland, Trenton, N. J.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
F. WIRE DRAWING BENCHES.	Birmingham Iron Foundry, Birmingham, Conn.	
	Duncan Mackenzie, Trenton, N. J.	*118
G. WIRE FENCE MACHINES.	Adrian Brick & Tile Machine Co., Adrian, Mich.	
H. WIRE MATTRESS MACHINERY.	Gormully & Jeffery Mfg. Co., 222 N. Franklin St., Chicago, Ill.	
I. WIRE MILLS.	Birmingham Iron Foundry, Birmingham, Conn.	
	Walker Mfg. Co., Cleveland, O.	
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
J. WIRE POINTERS.	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
K. WIRE STRAIGHTENING MACHINES.	John Adt & Son, New Haven, Conn.	
	C. W. Crary & Son, 41 Indiana St., Chicago, Ill.	
	Norton & Jones Machine Tool Works, Plainville, Conn.	*124
	Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.	
L. WIRE WEAVING MACHINERY.	Gormully & Jeffery Mfg. Co., 222 N. Franklin St., Chicago, Ill.	

1841. WIRE ROPE HAULAGES.

A. GUIDE ROLLERS.	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Dickson Mfg. Co., Scranton, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
B. INCLINED PLANE ROLLERS.	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill	
	Dickson Mfg. Co., Scranton, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
C. WIRE ROPE TRAMWAY DUMPING RIGS.	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Contractors' Plant Mfg. Co., Buffalo, N. Y.	*91
	Pacific Iron Works, San Francisco, Cal.	
D. WIRE ROPE TRAMWAYS.	M. C. Bullock Mfg. Co., 1170 W. Lake St., Chicago, Ill.	
	Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.	
	Trenton Iron Co., Trenton, N. J.	

1842. WIRE TOOLS.

A. BARB WIRE FENCE TOOLS.	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Iowa Barb Wire Co., 98 Reade St., New York.	
	Ewald Over, Indianapolis, Ind.	
	Warner Mfg. Co., Freeport, Ill.	
B. WIRE CUTTERS.	C. W. Crary & Son, 41 Indiana St., Chicago, Ill.	
	Cronk Hanger Co., Elmira, N. Y.	
	J. M. King & Co., Waterford, N. Y.	
	Stark Machine & Tool Co., Buffalo, N. Y.	*248
	Warner Mfg. Co., Freeport, Ill.	
C. WIRE FENCE COUPLERS.	Racine Malleable & Wrought Iron Co., Racine, Wis.	
D. WIRE SPLICERS.	Otis A. Smith, Rockfall, Conn.	
E. WIRE STRETCHERS.	Bartlett Hardware Co., Freeport, Ill.	
	Buck-Thorn Fence Co., Trenton, N. J.	
	Cin. Barbed Wire Fence Co., opp. Dempsey-Fairmount, Cin., O.	
	Abram Ellwood, Sycamore, Ill.	
	L. W. Fillebrown & Son, Piqua, O.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Hunt, Helm & Ferris, Harvard, Ill.	
	Knapp & Cowles Mfg. Co., Bridgeport, Conn.	
	Racine Malleable & Wrought Iron Co., Racine, Wis.	
	Sedgwick Bros., Richmond, Ind.	
	Warner Mfg. Co., Freeport, Ill.	
	C. Wight & Son, Dayton, O.	

1843. WOOD PULP MACHINERY.

A. BARKING MACHINES.	Holyoke Machine Co., Holyoke, Mass.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
	Valley Iron Works Mfg. Co., Appleton, Wis.	
B. PULP GRINDERS.	Holyoke Machine Co., Holyoke, Mass.	
	Phœnix Iron Co., Trenton, N. J.	
	Pusey & Jones Co., Wilmington, Del.	
	Trevor Mfg. Co., Lockport, N. J.	*91
	Valley Iron Works Mfg. Co., Appleton, Wis.	
C. PULP GRINDERS, POWER FEED.	Osgood & Barker, Bellows Falls, Vt.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
D. PULP MILL SAWS.	Trevor Mfg. Co., Lockport, N. Y.	*91
	Valley Iron Works Mfg. Co., Appleton, Wis.	
E. PULP MILL SCREENS.	Black & Clawson Co., Hamilton, O.	*200–3
	Pusey & Jones Co., Wilmington, Del.	
	Rawson & Pearce, Paterson, N. J.	
	Smith, Winchester & Co., S. Windham, Conn.	
	Trevor Mfg. Co., Lockport, N. Y.	*91
	Union Machine Co., Fitchburg, Mass.	
	Valley Iron Works Mfg. Co., Appleton, Wis.	
F. WOOD PULP STONES.	Cleveland Stone Co., Cleveland, O.	
	Wilson & Hughes Stone Co., Cleveland, O.	
G. WOOD PULP WET MACHINES.	Trevor Mfg. Co., Lockport, N. Y.	*91

1844. WOOD SPLITTERS.

	Curtis & Co. Mfg. Co., 817 N. 2d St., St. Louis, Mo.	
	Hildreth Bros., Harvard, Mass.	
	Valley Iron Works Mfg. Co., Appleton, Wis.	
A. KINDLING WOOD SPLITTERS.	Albany Agricultural & Machine Works, Albany, N. Y.	
	M. Garland, Bay City, Mich.	

1845. WRAPPING MACHINES.

A. CARAMEL WRAPPING MACHINES.	R. D. Nuttall & Co., Allegheny, Pa.	
B. SOAP WRAPPING MACHINES.	R. D. Nuttall & Co., Allegheny, Pa.	

1846. WRECKING MACHINERY.

	Marion Steam Shovel Co., Marion, O.	
	Wm. Taylor & Sons, 25 Adams St., Brooklyn, N. Y.	

1847. WRENCHES.

Akron Tool Co., Akron, O.	
Armstrong Mfg. Co., Bridgeport, Conn.	*154
American Saw Co., Trenton, N. J.	
Bemis & Call Hardware & Tool Co., Springfield, Mass.	
Billings & Spencer Co., Hartford, Conn.	*103
Bonney Vise & Tool Works, 3015 Chestnut St., Phila., Pa.	
Campbell Printing Press & Mfg. Co., Taunton, Mass.	
Capitol Mfg. Co., 137 Rees St., Chicago, Ill.	
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
Cincinnati Tool Co., 216 W. 2d St., Cincinnati, O.	
Cleveland Hardware Co., Cleveland, O.	
L. Coes & Co., Worcester, Mass.	
Collins Co., Collinsville, Conn.	
P. & F. Corbin, New Britain, Conn.	
Diamond Wrench & Tool Co., Portland, Me.	
Ellrich Hardware Mfg. Co., Plantsville, Conn.	
H. H. Harvey, 116 High St., Boston, Mass.	
A. S. Hein & Co., New Haven, Conn.	
E. S. Hotchkiss, Bridgeport, Conn.	
Lamson & Sessions Co., Cleveland, O.	
Landers, Frary & Clark, New Britain, Conn.	
C. W. Le Count, S. Norwalk, Conn.	
Lorain Wrench Co., Lorain, O.	
Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
Peck, Stow & Wilcox Co., Southington, Conn.	
Pratt & Letchworth, Buffalo, N. Y.	
E. H. Pease Mfg. Co., Racine, Wis.	
Pratt & Whitney Co., Hartford, Conn.	
Putnam Machine Co., Fitchburg, Mass.	
R. R. Rouse, Indianapolis, Ind.	
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.	
E. R. Saxton, Buffalo, N. Y.	
Smith & Egge Mfg. Co., Bridgeport, Conn.	
Standard Tool Co., Cleveland, O.	
Tower & Lyon, 95 Chambers St., New York.	
Wallace & Sons, Ansonia, Conn.	
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
Wells Bros. & Co., Greenfield, Mass.	

	Wiley & Russell Mfg. Co., Greenfield, Mass.	
	J. H. Williams & Co., 9 Richards St., Brooklyn, N. Y.	
A. CARRIAGE WRENCHES.	Eberhard Mfg. Co., Cleveland, O.	
	I. W. & T. F. Giles, Abington, Mass.	
	Pratt & Letchworth, Buffalo, N. Y.	
	R. R. Rouse, Indianapolis, Ind.	
B. PIPE WRENCHES.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	Billings & Spencer Co., Hartford, Conn.	*103
	Ellrich Hardware Mfg. Co., Plantsville, Conn.	
	Hoggson & Pettis Mfg. Co., New Haven, Conn.	
	Robbins, Gamwell & Co., Pittsfield, Mass.	
	R. R. Rouse, Indianapolis, Ind.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	J. H. Williams & Co., 9 Richards St., Brooklyn, N. Y.	
C. RAILROAD TRACK WRENCHES.	Atha Tool Co., Newark, N. J.	*82
	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
	Abner Doble Co., San Francisco, Cal.	
	Detroit Steel & Spring Co., Detroit, Mich.	
	Iron City Tool Works, Ltd., Pittsburgh, Pa.	
	Fayette R. Plumb, Tucker & Trenton Avs., Philadelphia, Pa.	
D. TAP WRENCHES.	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	Billings & Spencer, Hartford, Conn.	*103
	Butterfield & Co., Derby Line, Vt.	
	S. W. Card & Co., Mansfield, Mass.	
	J. M. Carpenter Tap & Die Co., Pawtucket, R. I.	
	Morse Twist Drill & Machine Co., New Bedford, Mass.	*120
	Pratt & Whitney Co., Hartford, Conn.	
	Standard Tool Co., Cleveland, O.	
	Wells Bros. & Co., Greenfield, Mass.	
	Wiley & Russell Mfg. Co., Greenfield, Mass.	

XXVI. METALS.

1848. ALLOYS.		
A. BABBITT METAL.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	American Smelting Co., 1510 Spring Garden St., Phila., Pa.	
	Atlas Bronze & Tuyere Co., Pittsburgh, Pa.	
	Baker White Brass Co., 3 York St., New York.	
	E. W. Blatchford & Co., 70 N. Main St., Chicago, Ill.	
	Colwell Lead Co., 63 Centre St., New York.	
	Delaware Metal Refinery, 18th St. & Wash. Av., Phila., Pa.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Epping, Carpenter & Co., Ltd., Pittsburgh, Pa.	
	A. J. Fullmer & Co., Camden, N. J.	
	Edward L. Hand & Co., 614 Market St., Philadelphia, Pa.	
	Hooks Smelting Co., Broad & Hamilton Sts., Philadelphia, Pa.	
	Hoyt Metal Co., 4143 Clayton Road, St. Louis, Mo.	
	Magnolia Anti-Friction Metal Co., 74 Cortlandt St., New York.	
	Mansfield & Co., Ltd., Pittsburgh, Pa.	
	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
	Wm. Powell Co., 50 Plum St., Cincinnati, O.	
	Selby S. & Lead Co., 416 Montgomery St., San Francisco, Cal.	
	Springfield Brass Co., Springfield, O.	
	Stewart & Mattson Mfg. Co., 2052 N. 10th St., Phila., Pa.	
	Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
B. BOTTLE SEAL METAL.	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
C. CARTRIDGE METALS.	Waterbury Brass Co., Waterbury, Conn.	
D. ELECTROTYPE METAL.	De-Oxidized Metal Co., Bridgeport, Conn.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
E. GERMAN SILVER.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Chicago Brass Co., Kenosha, Wis.	
	Coe Brass Mfg. Co., Torrington, Conn.	

	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Seymour Mfg. Co., Seymour, Conn.	
	Wallace & Sons, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
F. GOLD & PLATINUM ALLOY, DENTISTS'.	Gideon Sibley, 1214 Filbert St., Philadelphia, Pa.	
G. GUN METALS.	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
H. INGOT METAL.	American Smelting Co., 1510 Spring Garden St., Phila., Pa.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Stewart & Mattson Mfg. Co., 2052 N. 10th St., Phila., Pa.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
I. JEWELERS' METALS.	Plume & Atwood Mfg. Co., Waterbury, Conn.	
J. JOURNAL LINING METALS.	B. H. Cramp & Co., York & Thompson Sts., Philadelphia, Pa.	
	Mowry & Phillips, 120 Cross St., Boston, Mass.	
	Tripp Mfg. Co., 180 Summer St., Boston, Mass.	
K. NEEDLE METALS.	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
L. TYPE METALS.	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
M. UMBRELLA TIP METALS.	Platt Bros. & Co., Waterbury, Conn.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
N. WHITE METAL.	Reed & Barton, Taunton, Mass.	
O. YELLOW METAL PLATES.	New Bedford Copper Co., New Bedford, Mass.	
	Revere Copper Co., 63 Franklin St., Boston, Mass.	
	Taunton Copper Mfg. Co., Taunton, Mass.	*51
1849. ALUMINUM.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	Cowles Electric Smelting & Aluminum Co., Lockport, N. Y.	
	Pittsburgh Reduction Co., Pittsburgh, Pa.	
	Williams Aluminum Co., 95 Liberty St., New York.	
	E. A Williams & Son, 107 Plymouth St., Jersey City, N. J.	
	Zucker & Levett Chem. Co., Flushing, L. I., N. Y.	
A. ALUMINUM ALLOYS.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	Cowles Electric Smelting & Aluminum Co., Lockport, N. Y.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Williams Aluminum Co., 95 Liberty St., New York.	
B. ALUMINUM BRASS.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	Cowles Electric Smelting & Aluminum Co., Lockport, N. Y.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
C. ALUMINUM BRONZE.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	Cowles Electric Smelting & Aluminum Co., Lockport, N. Y.	
	De Oxidized Metal Co., Bridgeport, Conn.	
	Chas. M. Theberath, Newark, N. J.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
D. ALUMINUM FERRO SILICON.	Cowles Electric Smelting & Aluminum Co., Lockport, N. Y.	
	S. Obermayer Fdry. Sup. Mfg. Co., Evans S. of 8th St., Cin., O.	*54
1850. ANTIMONY.	American Metal Co., 80 Wall St., New York.	
	E. W. Batchford & Co., 70 N. Clinton St., Chicago, Ill.	
	Hoyt Metal Co., 4143 Clayton Road, St. Louis, Mo.	
	U. S. Antimony Co., 838 Drexel Building, Philadelphia, Pa.	
	U. S. Smelting Works, 1615 Spring Garden St., Philadelphia, Pa.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
1851. BRASS.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Atlas Bronze & Tuyere Co., Pittsburgh, Pa.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Bristol Brass & Clock Co., Forestville, Conn.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	Crown Smelting Co., Chester, Pa.	
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	A. Fulton's Son & Co., Pittsburgh, Pa.	*36
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Martin Anti-Fire Car Heater Co., Dunkirk, N. Y.	
	Phelps, Dodge & Co., 11 Cliff St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
A. BAR BRASS.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bridgeport Brass Co., Bridgeport, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
B. BRASS CIRCLES.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bridgeport Brass Co., Bridgeport, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	

	Scovill Mfg. Co., Waterbury, Conn.	
C. BRASS RODS.	Ansonia Brass & Copper Co., Ansonia, Conn.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Brown & Bros. Tubing & Boiler Works, Waterbury, Conn.	
	Detroit Copper & Brass Rolling Mills Co., Detroit, Mich.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	H. L. Judd & Co., 87 Chambers St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Wallace & Sons, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
D. BRASS WIRE RODS.	Bridgeport Brass Co., Bridgeport, Conn.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Scovill Mfg. Co., Waterbury, Conn.	
E. CARTRIDGE BRASS.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Scovill Mfg. Co., Waterbury, Conn.	
F. ROLL BRASS.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Chicago Brass Co., 76 Monroe St., Chicago, Ill.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	Detroit Copper & Brass Rolling Mills Co., Detroit, Mich.	
	Holmes, Booth & Haydens, Waterbury, Conn.	100 & 221
	C. G. Hussey & Co., Pittsburgh, Pa.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
G. SHEET BRASS.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Chicago Brass Co., Kenosha, Wis.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	C. G. Hussey & Co., Pittsburgh, Pa.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Randolph & Clowes, Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Seymour Mfg. Co., Seymour, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
H. STICK BRASS.	Scovill Mfg. Co., Waterbury, Conn.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
I. STRIP BRASS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Bridgeport Brass Co., Bridgeport, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
1852. BRONZE.	Ajax Metal Co., 34 Richmond St., Philadelphia, Pa.	
	Atlas Bronze & Tuyere Co., Pittsburgh, Pa.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Chicago Smelting & Refining Co., 401 Dearborn St., Chicago, Ill.	
	Crown Smelting Co., Chester, Pa.	
	Damascus Bronze Co., Ltd., Pittsburgh, Pa.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Geo. R. Meneeley & Co., W. Troy, N. Y.	
	Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
A. MANGANESE BRONZE.	Cowles Electric Smelting & Aluminum Co., Lockport, N. Y.	
	B. H. Cramp & Co., York & Thompson Sts., Philadelphia, Pa.	
	Union Iron Works, San Francisco, Cal.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
B. PHOSPHOR-BRONZE.	Crown Smelting Co., Chester, Pa.	
	Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.	
C. PHOSPHOR-BRONZE CIRCLES.	Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.	
D. SHEET BRONZE.	De-Oxidized Metal Co., Bridgeport, Conn.	
E. SPINNERS' BRONZE.	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
1853. COPPER.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	

Ansonia Brass & Copper Co., Ansonia, Conn *211
Atlantic Mining Co., Houghton, Mich.
Baltimore Copper Smelting & Rolling Co., Baltimore, Md.
Billings & Spencer Co., Hartford, Conn. *103
Block & Hartmann Smelting Co., Belleville, Ill.
Boston & Colorado Smelting Co., Denver, Col.
Bridgeport Brass Co., Bridgeport, Conn. *27
Bridgeport Copper Co., Bridgeport, Conn.
Calumet & Hecla Smelting Co., Houghton, Mich.
Coe Brass Mfg. Co., Torrington, Conn.
Deoxidized Metal Co., Bridgeport, Conn.
Detroit & Lake Superior Copper Co., Detroit, Mich.
Globe Smelting & Refining Co., Denver, Col.
Gummey, Spering & Co., 1023 Market St., Philadelphia, Pa.
Geo. P. Harris & Bro., 62 W. Lake St., Chicago, Ill.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Hoyt Metal Co., 4143 Clayton Road, St. Louis, Mo.
Merchant & Co., 517 Arch St., Philadelphia, Pa.
Newark Smelting & Refining Works, Newark, N. J.
New Bedford Copper Co., New Bedford, Mass.
New Haven Copper Co., 294 Pearl St., New York.
Omaha & Grant Smelting & Refining Co., Omaha, Neb.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.
Phelps, Dodge & Co., 11 Cliff St., New York.
Philadelphia Smelting & Refining Co., Pueblo, Col.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Pueblo Smelting & Refining Co., Pueblo, Col.
Revere Copper Co., 63 Franklin St., Boston, Mass.
Taunton Copper Mfg. Co., Taunton, Mass. *51
Waterbury Brass Co., Waterbury, Conn.

A. ALLOY COPPER.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

B. BATH TUB COPPER.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
F. H. Holten & Co., 52 Pearl St., Boston, Mass.
Revere Copper Co., 63 Franklin St., Boston, Mass.

C. BATTERY COPPER.
Aluminum Brass & Bronze Co., 53 Chambers St., New York.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Revere Copper Co., 63 Franklin St., Boston, Mass.
Wallace & Sons, Ansonia, Conn.

D. BOLT COPPER.
Aluminum Brass & Bronze Co., 53 Chambers St., New York.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
New Bedford Copper Co., New Bedford, Mass.
Revere Copper Co., 63 Franklin St., Boston, Mass.
Taunton Copper Mfg. Co., Taunton, Mass. *51

E. BRAZIERS' COPPER.
Aluminum Brass & Bronze Co., 53 Chambers St., New York.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
New Bedford Copper Co., New Bedford, Mass.
New Haven Copper Co., 294 Pearl St., New York.
Revere Copper Co., 63 Franklin St., Boston, Mass.
Taunton Copper Mfg. Co., Taunton, Mass. *51

F. CARTRIDGE COPPER.
Coe Brass Mfg. Co., Torrington, Conn.

G. COPPER CIRCLES.
Aluminum Brass & Bronze Co., 53 Chambers St., New York.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
New Haven Copper Co., 294 Pearl St., New York.
Revere Copper Co., 63 Franklin St., Boston, Mass.
Taunton Copper Mfg. Co., Taunton, Mass. *51

H. COPPER ORES.
Anaconda Mining Co., Butte City, Mont.
Atlantic Mining Co., Houghton, Mich.
Boston & Montana Consolidated Mining Co., Butte City, Mont.
Boston & Montana Copper & Silver Mining Co., Butte City, Mont.
Butte & Boston Mining Co., Butte City, Mont.
Central Mining Co., Central Mine, Mich.
Detroit Copper Co., Morenci, Ariz.
Parrott Silver & Copper Co., Butte City, Mont.
Quincy Mining Co., Hancock, Mich.

I. COPPER RODS.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Bridgeport Brass Co., Bridgeport, Conn. *27
Brown & Bros. Tubing & Boiler Works, Waterbury, Conn.
Coe Brass Mfg. Co., Torrington, Conn.
Detroit Copper & Brass Rolling Mills Co. Detroit, Mich.
C. G. Hussey & Co., Pittsburgh, Pa.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Revere Copper Co., 63 Franklin St., Boston, Mass.

	Waterbury Brass Co., Waterbury, Conn.	
J. CORNICE COPPER.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Wallace & Sons, Ansonia, Conn.	
K. DYNAMO BRUSH COPPER.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
L. FIRE BOX SHEETS.	E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.	
	C. G. Hussey & Co., Pittsburgh, Pa.	
	Revere Copper Co., 63 Franklin St., Boston, Mass.	
M. PLANISHED COPPER.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	C. G. Hussey & Co., Pittsburgh, Pa.	
	New Haven Copper Co., 294 Pearl St., New York.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
N. ROLL COPPER.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Chicago Brass Co., 76 Monroe St., Chicago, Ill.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	Detroit Copper & Brass Rolling Mills Co., Detroit, Mich.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	C. G. Hussey & Co., Pittsburgh, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Thos. Phillips & Co., Providence, R. I.	
	Revere Copper Co., 63 Franklin St., Boston, Mass.	
	Taunton Copper Mfg. Co., Taunton, Mass.	*51
O. SHEATHING COPPER.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	New Bedford Copper Co., New Bedford, Mass.	
	Revere Copper Co., 63 Franklin St., Boston, Mass.	
	Taunton Copper Mfg. Co., Taunton, Mass.	*51
P. SHEET COPPER.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Baltimore Copper Smelting & Rolling Co., Baltimore, Md.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.	
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Chicago Brass Co., Kenosha, Wis.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	Detroit Copper & Brass Rolling Mills Co., Detroit, Mich.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	C. G. Hussey & Co., Pittsburgh, Pa.	
	New Bedford Copper Co., New Bedford, Mass.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Phelps, Dodge & Co., 11 Cliff St., New York.	
	Randolph & Clowes, Waterbury, Conn.	
	Revere Copper Co., 63 Franklin St., Boston, Mass.	
	Ronald & Co., 54 Cliff St., New York.	
1854. EXPANDED METALS.	Central Expanded Metal Co., 116 Water St., Pittsburgh, Pa.	
	Northwestern Exp. Metal Co., Chamb. of Com. Bldg., Chicago, Ill.	
	St. Louis Expanded Metal Co., 1821 Pine St., St. Louis, Mo.	
1855. GOLD.		
A. GOLD ORES.	Alice Gold & Silver Mining Co., Walkersville, Mont.	
	Black Bear Quartz Mining Co., Black Bear, Cal.	
	Commonwealth Mining Co., Idaho Springs, Col.	
	Junction Iron Co., Wheeling, W. Va.	
	Moulton Mining Co., Butte City, Mont.	
	Mary Murphy Mining Co., St. Elmo, Col.	
B. SMELTED GOLD.	Block & Hartmann Smelting Co., Belleville, Ill.	
	Boston & Colorado Smelting Co., Denver, Col.	
	Colorado Smelting Co., Pueblo, Col.	
	Globe Smelting & Refining Co., Denver, Col.	
	Newark Smelting & Refining Works, Newark, N. J.	
	Omaha & Grant Smelting & Refining Co., Omaha, Neb.	
	Philadelphia Smelting & Refining Co., Pueblo, Col.	
	Pueblo Smelting & Refining Co., Pueblo, Col.	
	Rio Grande Smelting Co., Socorro, New Mexico.	
	Selby Smelting & Lead Works, San Francisco, Cal.	
1856. IRON.		
A. ARMOR PLATE.	Moorhead-McCleane Co., Pittsburgh, Pa.	
	Ogden & Wallace, 85 Elm St., New York.	
B. BAR IRON.	Ætna Iron & Steel Co., Bridgeport, O.	
	Allentown Rolling Mills, Allentown, Pa.	
	Altoona Iron Co., Altoona, Pa.	
	American Iron & Steel Works, Pittsburgh, Pa.	
	Andrews Bros. Co., 59 Dearborn St., Chicago, Ill.	
	Bessemer Rolling Mills, Bessemer, Ala.	
	Birmingham Rolling Mill Co., Birmingham, Ala.	
	Burden Iron Co., Troy, N. Y.	
	Calumet Iron & Steel Co., 517 Rookery Building, Chicago, Ill.	

Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Catasauqua Mfg. Co., Catasauqua, Pa.
Central Iron & Steel Co., Brazil, Ind.
Diamond State Iron Co., Wilmington, Del.
Duncannon Iron Co., 122 Race St., Philadelphia, Pa.
Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.
Findlay Rolling Mill Co., Findlay, O.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Lake Erie Iron Co., Cleveland, O.
Livermore Foundry & Machine Co., Memphis, Tenn.
Logan Iron & Steel Co., Logan, Pa.
Mahoning Valley Iron Co., Youngstown, O.
Montour Iron & Steel Co., Danville, Pa.
New Albany Forge & Rolling Mill Co., New Albany, Ind.
Ogden & Wallace, 85 Elm St., New York.
Old Dominion Iron & Nail Works Co., Richmond, Va. *35
Otis Steel Co., Ltd , Cleveland, O.
Passaic Rolling Mills Co., Patterson, N. J.
Pencoyd Iron Works, Pencoyd, Pa.
Penn. Nut & Bolt Co., Lebanon, Pa.
Pickands, Mather & Co., Cleveland, O.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Portage Iron Co., Duncansville, Pa.
Portland Rolling Mills, Portland, Me.
Geo. Reeves, Niles, O.
Shoenberger & Co., Pittsburgh, Pa.
Springfield Iron Co., Springfield, Ill.
J. H. Sternbergh & Son, Reading, Pa.
Troy Steel & Iron Co., Troy, N. Y.
Union Steel & Iron Co., St. Joseph, Mo.
Vulcan Iron Co., Richmond, Va.
West End Rolling Mill Co., Ltd., Lebanon, Pa.

C. BLOOMS, IRON.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.
Jefferson Iron Works, Steubenville, O.
H. Lloyd, Son & Co., Pittsburgh, Pa.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Wellman Iron & Steel Co., Thurtow, Pa.

D. BOLT RODS.
Ætna Iron & Steel Co., Bridgeport, O.
R. F. Hawkins Iron Works, Springfield, Mass.
New Haven Rolling Mill Co., New Haven, Conn.
Portland Rolling Mills, Portland, Me.
J. H. Sternbergh & Son, Reading, Pa.

E. BRIDGE RODS.
Calumet Iron & Steel Co., 517 Rookery Building, Chicago, Ill.
Columbus Bolt Works, Columbus, O.
Diamond State Iron Co., Wilmington, Del.
R. F. Hawkins Iron Works, Springfield, Mass.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Portland Rolling Mills, Portland, Me.

F. CARRIAGE IRON.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Ogden & Wallace, 85 Elm St., New York.

G. CAR WHEEL IRON.
Calumet Iron & Steel Co., 517 The Rookery, Chicago, Ill.
Gadsen Iron Co., Gadsen, Ala.
Ogden & Wallace, 85 Elm St., New York.
Woodstock Iron Co., Anniston, Ala.

H. CHARCOAL IRON.
Davenport & Fairbairn, Erie, Pa.

I. CYLINDER IRON.
H. Lloyd, Son & Co., Pittsburgh, Pa.
Ogden & Wallace, 85 Elm St., New York.

J. GALVANIZED IRON.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
American Iron & Steel Works, Pittsburgh, Pa.
Apollo Iron & Steel Co., Pittsburgh, Pa.
Chase & Pearsall, 2423 South St., Philadelphia, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
McDaniel & Harvey Co., 16th St. & Washington Av., Phila., Pa.
Maypole Bros., 60 S. Canal St., Chicago, Ill.
Moorhead-McCleane Co., Pittsburgh, Pa.
Republic Iron Works, Ltd., Pittsburgh, Pa.
Whitaker Iron Co., Wheeling, W. Va.

K. HAMMERED IRON.
Cleveland City Forge & Iron Co., Cleveland, O.
Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.
Ogden & Wallace, 85 Elm St., New York.

L. HINGE IRON.
Wm. Clark's Son & Co., Pittsburgh, Pa.

M. HOOP IRON.
American Iron & Steel Works, Pittsburgh, Pa.

Andrews Bros. Co., 59 Dearborn St., Chicago, Ill.
Wm. Clark's Son & Co., Pittsburgh, Pa.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Lake Erie Iron Co., Cleveland, O.
Lindsay & McCutcheon, Pittsburgh, Pa.
Livermore Fdry. & Mach. Co., Memphis, Tenn.
Old Dominion Iron & Nail Wks. Co., Richmond, Va. *35
Portage Iron Co., Duncansville, Pa.
Wabash Iron Co., Terra Haute, Ind.

N. HORSE SHOE IRON.
Ætna Iron & Steel Co., Bridgeport, O.
Wm. Clark's Son & Co., Pittsburgh, Pa.
Diamond State Iron Co., Wilmington, Del.
Duncannon Iron Co., 122 Race St., Philadelphia, Pa.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Lookout Iron Co., Chattanooga, Tenn.
Manhattan Rolling Mill, 445 West St., New York.
Ogden & Wallace, 85 Elm St., New York.
Oxford Iron & Nail Co., Oxford, N. J.
Wabash Iron Co., Terre Haute, Ind.

O. IRON ORE.
Aurora Iron Mining Co., Ironwood, Mich.
Centre Creek Mining & Smelting Co., Webb City, Mo.
Chapin Mining Co., Iron Mountain, Mich.
Chateaugay Ore & Iron Co., Lyon Mountain, N. Y.
Cleveland Iron Mining Co., Cleveland, O.
Colorado Coal & Iron Co., Colorado Springs, Col.
D. S. Cook, Glen Wilton, Va.
Dayton Coal & Iron Co., Dayton, Tenn.
De Bardeleben Coal & Iron Co., Bessemer, Ala.
Detroit Iron Mining Co., Ishpeming, Mich.
Iron Cliffs Co., Ishpeming, Mich.
Iron Mountain Co., Iron Mountain, Mo.
Iron River Co., Stambaugh, Mich.
Lake Superior Iron Co., Ishpeming, Mich.
Minnesota Iron Co., 307 1st Nat'l Bank Bld'g, Chicago, Ill.
Pickands, Brown & Co., Rookery Bld'g., Chicago, Ill.
Pittsburgh & Lake Angeline Iron Ore Co., Ishpeming, Mich.
Poughkeepsie Iron Co., Poughkeepsie, N. Y.
J. Wesley Pullman, 238 S. 3d St., Philadelphia, Pa.
Rich Hill Coal & Mining Co., Rich Hill, Mo.
Schlesinger Bros., 48 Wall St., New York.
Sloss Iron & Steel Co., Birmingham, Ala.
South West Virginia Improvement Co., Pocahontas, Va.
Tennessee Coal, Iron & R. R. Co., Nashville, Tenn.
Tennessee River Iron & Ore Co., Knott, Tenn.
Woodward Iron Co., Woodward, Ala.
York Iron Co., Black River Falls, Wis.

P. IRON SPONGE.
Connelly Iron Sponge & Governor Co., 111 B'way., New York.

Q. JAIL PLATES.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.

R. MALLEABLE IRON.
Albany Malleable Iron Works, Albany, N. Y.
Bridgeport Malleable Iron Co., Bridgeport, Conn.
Capital City Malleable Iron Co., Albany, N. Y.
Dayton Malleable Iron Co., Dayton, O.
Thos. Devlin & Co., Lehigh Av. & N. 3d St., Philadelphia, Pa.
Erie Malleable Iron Co., Ltd., Erie, Pa.
Stanley G. Flagg & Co., 19th St. & Pennsylvania Av., Phila., Pa.
Meriden Malleable Iron Co., Meriden, Conn.
Midland Blast Furnace Co., Midland, Mo.
Phila. Hardware & Malleable Co., 9th & Jefferson Sts., Phila., Pa.
Pratt & Letchworth, Buffalo, N. Y.
Springfield Malleable Iron Co., Springfield, O.
Syracuse Malleable Iron Works, Syracuse, N. Y.
Troy Malleable Iron Co., Troy, N. Y.

S. MERCHANT IRON.
American Iron & Steel Works, Pittsburgh, Pa.
Clement M. Biddle & Co., Pittsburgh, Pa.
Jackson & Woodin Mfg. Co., Berwick, Pa.
Lookout Iron Co., Chattanooga, Tenn.
Mahoning Rolling Mill Co., 330 Walnut St., Philadelphia, Pa.
New Haven Rolling Mill Co., New Haven, Conn.
Ogden & Wallace, 85 Elm St., New York.
J. H. Sternbergh & Son, Reading, Pa.
Trenton Iron Co., Trenton, N. J.
Troy Steel & Iron Co., Troy, N. Y.

T. MUCK IRON.
Benwood Iron Works, Wheeling, W. Va.
Findlay Rolling Mill Co., Findlay, O.
Montour Iron & Steel Co., Danville, Pa.
Stewart Iron Co., Sharon, Pa.

U. NUT RODS.

Ætna Iron & Steel Co., Bridgeport, O.
New Haven Rolling Mill Co., New Haven, Conn.
Portland Rolling Mills, Portland, Me.
J. H. Sternbergh & Son, Reading, Pa.

V. PAN IRON.

Moorhead-McCleane Co., Pittsburgh, Pa.

W. PIG IRON.

Alice Furnace Co., Birmingham, Ala.
Andrews Bros. Co., Youngstown, O.
Barnum-Richardson Co., Lime Rock, Conn.
Bellefonte Furnace Co., Bellefonte, Pa.
Bellaire Nail Works, Bellaire, O.
Benwood Iron Works, Wheeling, W. Va.
E. & G. Brooke Iron Co., Birdsboro', Pa.
Brown & Co., Pittsburgh, Pa.
Burden Iron Co., Troy, N. Y.
Calumet Iron & Steel Co., 517 Rookery Building, Chicago, Ill.
Carnegie Bros. & Co., Ltd., Pittsburgh, Pa.
Central Iron & Steel Co., Brazil, Ind.
Cherokee Iron Co., Cedartown, Ga.
Citico Furnace Co., Chattanooga, Tenn.
Cleveland Rolling Mill Co., Cleveland, O.
Crane Iron Co., 224 S. 4th St., Philadelphia, Pa.
Crown Point Iron Co., Crown Point, N. Y.
De Bardeleben Furnace Co., Birmingham, Ala.
Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.
Ft. Payne Coal & Iron Co., Ft. Payne, Ala.
Foster Falls Mining & Mfg. Co., Foster's Falls, Va.
Gadson Iron Co., Gadson, Ala.
Girard Iron Co., Girard, O.
Globe Iron Co., Jackson, O.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
Graham Furnace Co., Graham, Va.
Hecla Iron & Mining Co., Ironton, O.
Illinois Steel Co., Rookery Building, Chicago, Ill.
Jefferson Iron Works, Steubenville, O.
Jenifer Iron Co., Jenifer, Ala.
Knoxville Iron Co., Knoxville, Tenn.
Lackawanna Coal & Iron Co., Scranton, Pa.
Lady Ensley Coal, Iron & R. R. Co., Sheffield, Ala.
Lincoln Iron Works, Boonton, N. J.
H. Lloyd, Son & Co., Pittsburgh, Pa.
Logan Iron & Steel Co., Logan, Pa.
Lookout Iron Co., Chattanooga, Tenn.
McCormick & Co., Harrisburg, Pa.
Martel Furnace Co., Erie, Pa.
Max Meadows Iron Co., Max Meadows, Va.
Midland Blast Furnace Co., Midland, Pa.
Missouri Furnace Co., 204 N. 3d St., St. Louis, Mo.
Missouri Iron Co., 411 Olive St., St. Louis, Mo.
Montour Iron & Steel Co., Danville, Pa.
Moorhead-McCleane Co., Pittsburgh, Pa.
Morris, Wheeler & Co., 1608 Market St., Philadelphia, Pa.
Mud River Coal, Coke & Iron Co., Mud River, Ky.
National Furnace Co., De Pere, Wis.
New Albany Rail Mill Co., New Albany, Ind.
Norton Iron Works, Ashland, Ky.
Omaha & Grant Smelting & Refining Co., Omaha, Neb.
J. Painter & Sons Co., Pittsburgh, Pa.
Pennsylvania Iron & Coal Co., Canal Dover, O.
Pickands, Brown & Co., Rookery Bldg., Chicago, Ill.
Pine Lake Iron Co., 657 Rookery Building, Chicago, Ill.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Portland Rolling Mills, Portland, Me.
Pottstown Iron Co., Pottstown, Pa.
Poughkeepsie Iron Co., Poughkeepsie, N. Y.
Mary Pratt Furnace Co., Birmingham, Ala.
Pulaski Iron Co., Pulaski City, Va.
Reading Iron Co., Reading, Pa.
Richmond Iron Works, Richmond Furnace, Mass.
Riverside Iron Works, Wheeling, W. Va.
Roane Iron Co., Chattanooga, Tenn.
Salem Furnace Co., Salem, Va.
Sharpsville Furnace Co., Sharpsville, Pa.
Shelby Iron Co., Columbiana, Ala.
Sloss Iron & Steel Co., Birmingham, Ala.
Spang Steel & Iron Co., Ltd., Pittsburgh, Pa.
Star Furnace Co., Jackson, O.

		J. H. Sternbergh & Son, Reading, Pa.
		Stewart Iron Co., Sharon, Pa.
		Tennessee Coal & Iron Co., Nashville, Tenn.
		Thomas Iron Co., Easton, Pa.
		Tropic Iron Co., Jackson, O.
		Troy Steel & Iron Co., Troy, N. Y.
		Union Steel Screw Co., Cleveland, O.
		Vigo Iron Co., Terre Haute, Ind.
		Wabash Iron Co., Terre Haute, Ind.
		Walker Iron & Coal Co., Rising Fawn, Ga.
		Watts Coal & Iron Co., Warrior, Ala.
		Wellman Iron & Steel Co., Thurlow, Pa.
		Williamson Iron Co., Birmingham, Ala.
		Woodstock Iron Co., Anniston, Ala.
		Woodward Iron Co., Woodward, Ala.
X.	REFINED IRON.	Ætna Steel & Iron Co., Bridgeport, O.
		American Iron & Steel Works, Pittsburgh, Pa.
		Diamond State Iron Co., Wilmington, Del.
		Portland Rolling Mills, Portland, Me.
		J. H. Sternbergh & Son, Reading, Pa.
Y.	REROLLED NORWAY IRON.	Calumet Iron & Steel Co., 517 Rookery Building, Chicago, Ill.
		Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
Z.	ROLLED IRON.	Bessemer Rolling Mills, Bessemer, Ala.
		Birmingham Rolling Mill Co., Birmingham, Ala.
		Elmira Iron & Steel Rolling Mill Co., Elmira, N. Y.
		J. H. Sternbergh & Son, Reading, Pa.
		Tudor Iron Works, 415 Locust St., St. Louis, Mo.
		Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71
AA.	SAFE PLATES.	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
		Pottstown Iron Co., Pottstown, Pa.
BB.	SAW RODS.	J. Barton Smith Co., 4th & Somerset Sts., Philadelphia, Pa.
CC.	SHEET IRON.	Ætna Iron & Steel Co., Bridgeport, O.
		Alan Wood Co., 519 Arch St., Philadelphia, Pa.
		American Iron & Steel Works, Pittsburgh, Pa.
		Apollo Iron & Steel Co., Pittsburgh, Pa.
		Beaver Falls Steel Works, Beaver Falls, Pa.
		Bessemer Rolling Mills, Bessemer, Ala.
		Birmingham Rolling Mill Co., Birmingham, Ala.
		Canonsburg Iron & Steel Co., Canonsburg, Pa.
		Cleveland Rolling Mill Co., Cleveland, O.
		Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.
		Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
		Lake Erie Iron Co., Cleveland, O.
		McCullough Iron Co., Wilmington, Del.
		Moorhead McCleane Co., Pittsburgh, Pa.
		New Albany Rail Mill Co., New Albany, Ind.
		Ogden & Wallace, 85 Elm St., New York.
		Reading Iron Co., Reading, Pa.
		Geo. Reeves, Niles, O.
		Republic Iron Works, Ltd., Pittsburgh, Pa.
		Standard Iron Co., Bridgeport, O.
		Wheeling Corrugating Co., Wheeling, W. Va. *46
		Whitaker Iron Co., Wheeling, W. Va.
		W. Dewees Wood Co., Pittsburgh, Pa.
DD.	SHEET IRON, BLACK.	Cleveland Rolling Mill Co., Cleveland, O.
EE.	SHEET IRON, GALVANIZED.	Britton Iron & Steel Co., Cleveland, O.
		Cincinnati Corrugating Co., Piqua, O.
		Wheeling Corrugating Co., Wheeling, W. Va. *46
FF.	SHEET IRON, PLANISHED.	W. Dewees Wood Co., Pittsburgh, Pa.
GG.	SHEET IRON, REFINED.	Ætna Iron & Steel Co., Bridgeport, O.
		Britton Iron & Steel Co., Cleveland, O.
		W. Dewees Wood Co., Pittsburgh, Pa.
HH.	SPIKE RODS.	Duncannon Iron Co., 122 Race St., Philadelphia, Pa.
II.	STAMPING IRON.	Canonsburg Iron & Steel Co., Canonsburg, Pa.
JJ.	STAY BOLT IRON.	Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.
		Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O
		J. H. Sternbergh & Son, Reading, Pa.
		Troy Steel & Iron Co., Troy, N. Y.
		West End Rolling Mill Co., Ltd., Lebanon, Pa.
KK.	UPSET RODS.	Birmingham Bridge & Bolt Co., Birmingham, Ala.
		Michigan Bolt & Nut Works, Detroit, Mich.
LL.	WELDED SAFE & VAULT IRON.	Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.
MM.	WIRE RODS.	American Wire Nail Co., Covington, Ky.
		Braddock Wire Co., Pittsburgh, Pa.
		Kilmer Mfg. Co., Newburgh, N. Y.

H. P. Nail Co., Cleveland, O.
New Haven Rolling Mill Co., New Haven, Conn.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
St. Louis Wire Mill Co., 21st & Papin Sts., St. Louis, Mo.
Trenton Iron Co., Trenton, N. J.
Washburn & Moen Mfg. Co., Worcester, Mass. *101
R. H. Wolff & Co., 560 E. 118th St., New York.

1857. LEAD.

A. DAMPER & KEY LEADS.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Pierce Artesian & Oil Well Sup. Co., 80 Beaver St., New York.
Selby Smelting & Lead Co., 416 Montgomery St., San Fran., Cal.

B. LEAD BALLAST.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Mowry & Phillips, 120 Cross St., Boston, Mass.
Pennsylvania Lead Co., Pittsburgh, Pa.
United States Foundry Co., 56 Pine St., New York.

C. LEAD ORES.
Anaconda Mining Co., Butte City, Mont.
Commonwealth Mining Co., Idaho Springs, Col.
Iron Silver Mining Co., Leadville, Col.
Moulton Mining Co., Butte City, Mont.
Mary Murphy Mining Co., St. Elmo, Col.
Nye Mining Co., Tybo, Nev.
Ontario Silver Mining Co., Salt Lake City, Utah.
St. Joseph Lead Co., 55 Liberty St., New York.
Col. Sellers Mine, Leadville, Col.
Small Hopes Consolidated Mining Co., Leadville, Col.
Wythe Lead & Zinc Mine Co., Austinville, Va.

D. PIG LEAD.
American Shot & Lead Co., 947 The Rookery, Chicago, Ill.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Chadwick Lead Works, 176 High St., Boston, Mass.
Collier White Lead & Oil Co , Clark Av. & 10th St., St. Louis, Mo.
Colwell Lead Co., 63 Centre St., New York.
Germania Lead Works, Salt Lake City, Utah.
Globe Smelting & Refining Co., Denver, Col.
Granby Mining & Smelting Co., 417 Olive St., St. Louis, Mo.
Gulf Shot & Lead Works, New Orleans, La.
Newark Smelting & Refining Works, Newark, N. J.
Omaha & Grant Smelting & Refining Co., Omaha, Neb.
Pueblo Smelting & Refining Co., Pueblo, Col.
Raymond Lead Co., 51 W. Lake St., Chicago, Ill.
St. Joseph Lead Co., 55 Liberty St., New York.
Selby Smelting & Lead Co , 416 Montgomery St., San Fran., Cal.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
Wythe Lead & Zinc Mine Co., Austinville, Va.

E. SHEET LEAD.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Clark & Hawley, 15 E. 9th St., Cincinnati, O.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Colwell Lead Co., 63 Centre St., New York.
Wm. G. Price Co., Pittsburgh, Pa.
Raymond Lead Co., 51 Lake St., Chicago, Ill.
Selby Smelting & Lead Co., San Francisco, Cal.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

F SHOT LEAD.
Colwell Lead Co., 63 Centre St., New York.
Selby Smelting & Lead Co., San Francisco, Cal.
Sidney Shepard & Co., Buffalo, N. Y.

1858. PERFORATED METALS.

Robt. Aitchison Perf. Metal Co., 265 Dearborn St., Chicago, Ill.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Clinton Wire Cloth Co., Clinton, Mass.
Bernard Dreyfus, 79 Duane St., New York.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Harrington & King Perf. Co., Chicago, Ill.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.

1859. PLATERS' METALS.

Geo. H. Fuller & Son, Pawtucket, R. I.
A. J. Linton, Providence, R. I.
Union Hardware Co., Torrington, Conn.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

1860. PLATINUM.

Baker & Co., Newark, N. J.
H. T. Wall & Co., Providence, R. I.

1861. SILVER.

A. SILVER ORES.
Alice Gold & Silver Mining Co., Walkersville, Mont.
Anaconda Mining Co., Butte City, Mont.
Blue Bird Mining Co., Ltd., Butte City, Mont.
Butte & Boston Mining Co., Butte City, Mont.

Commonwealth Mining Co., Idaho Springs, Col.
Daly Mining Co., Salt Lake City, Utah.
Eureka Hill Mining Co., Salt Lake City, Utah.
Iron Silver Mining Co., Leadville, Col.
Lexington Mining Co., Butte City, Mont.
Maid of Erin Mine, Leadville, Col.
Mary Murphy Mining Co., St. Elmo, Col.
Montana Co., Ltd., Marysville, Mont.
Moulton Mining Co., Butte City, Mont.
Nye Mining Co., Tybo, Nev.
Ontario Silver Mining Co., Salt Lake City, Utah.
Parrott Silver & Copper Co , Butte City, Mont.
Col. Sellers Mine, Leadville, Col.
Small Hopes Consolidated Mining Co., Leadville, Col.
South Western Mining Co., El Dorado Canyon, Nev.

B. SMELTED SILVER.

Bay State Silver Co., N. Attleboro', Mass.
Block & Hartmann Smelting Co., Belleville, Ill.
Blue Bird Mining Co., Ltd., Butte City, Mont.
Boston & Colorado Smelting Co., Denver, Col.
Boston&MontanaCons.Copper&SilverMin.Co.ButteCity,Mont.
Globe Smelting & Refining Co., Denver, Col.
Newark Smelting & Refining Works, Newark, N. J.
Omaha & Grant Smelting & Refining Co., Omaha, Neb.
Pennsylvania Lead Co., Pittsburgh, Pa.,
Philadelphia Smelting & Refining Co., Pueblo, Col.
Pueblo Smelting & Refining Co., Pueblo, Col.
Rio Grande Smelting Co., Socorro, New Mexico.
Selby Smelting & Lead Co., San Francisco, Cal.
John Waters' Sons, 12 John St., New York.
West Silver Co., Taunton, Mass.

1862. SOLDER.

Ajax Metal Co., 34 Richmond St., Philadelphia, Pa.
Ansonia Brass & Copper Co., Ansonia, Conn. *211
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
J. Briggs & Sons Co., Providence, R. I.
Chadwick Lead Works, 176 High St., Boston, Mass.
Colwell Lead Co., 63 Centre St , New York.
Deoxidized Metal Co., Bridgeport, Conn.
Edward L. Hand & Co., 614 Market St., Philadelphia, Pa.
C. G. Hussey & Co., Pittsburgh, Pa.
E. M. Lang & Co., Portland, Me.
Merchant & Co., 517 Arch St., Philadelphia, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Selby Smelting & Lead Co., San Francisco, Cal.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
Wallace & Sons, 29 Chambers St., New York.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N.J.

A. GOLD SOLDER.

J. Briggs & Sons Co., Providence, R. I.
Geo. H. Fuller & Son, Pawtucket, R. I.
E. M. Lang & Co., Portland, Me.

B. SILVER SOLDER.

Anderson, Dupuy & Co., Pittsburgh, Pa.
J. Briggs & Sons Co., Providence, R. I.
Geo. H. Fuller & Son, Pawtucket, R. I.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

1863. SPIEGELEISEN.

Cambria Iron Co., Johnstown, Pa.
Carnegie Bros. & Co., Ltd., Braddock, Pa.
Lehigh Zinc & Iron Co., Bethlehem, Pa.
Passaic Zinc Co., Jersey City, N. J.
Pennsylvania Steel Co., Steelton, Pa.
N. Y. Zinc & Iron Co., Newark, N. J.

1864. STEEL.

A. AGRICULTURAL STEEL.

Ætna Iron & Steel Co., Bridgeport, O.
Anderson, Dupuy & Co., Pittsburgh, Pa.
Beaver Falls Steel Works, Beaver Falls, Pa.
Brown & Co., Pittsburgh, Pa.
Burgess Steel & Iron Works, Portsmouth, O.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Chicago Steel Works, 806 Noble St., Chicago, Ill.
Howe, Brown & Co., Ltd., Pittsburgh, Pa.
Hussey Mfg. Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.
Pennsylvania Drop Forging Co., Pittsburgh, Pa.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.
A. Speer & Sons, Pittsburgh, Pa.
Troy Steel & Iron Co., Troy, N. Y.

Wilson, Whiteley & Co., Springfield, O.

B. AXE STEEL.
Cambria Iron Co., Johnstown, Pa.
Hussey Mfg. Co., Pittsburgh, Pa.
Ogden & Wallace, 85 Elm St., New York.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.
Sanderson Bros. Steel Co., Syracuse, N. Y.

C. BAR STEEL.
Ætna Iron & Steel Co., Bridgeport, O.
Benjamin Atha & Co., Newark, N. J.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.
Fort Payne Rolling Mill, Fort Payne, Ala.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.
New Haven Rolling Mill Co., New Haven, Conn.
Ogden & Wallace, 85 Elm St., New York.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Riverside Iron Works, Wheeling, W. Va.
Springfield Malleable Iron Co., Springfield, O.
J. H. Sternbergh & Son, Reading, Pa.
Troy Steel & Iron Co., Troy, N. Y.
Union Drawn Steel Co., Beaver Falls, Pa.

D. BILLETS.
Bellaire Nail Works, Bellaire, O.
Belmont Nail Co., Wheeling, W. Va.
Benwood Iron Works, Wheeling, W. Va.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Hainesworth Steel Co., Pittsburgh, Pa.
Jefferson Iron Works, Steubenville, O.
Ogden & Wallace, 85 Elm St., New York.
Otis Steel Co., Ltd., Cleveland, O.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Pottstown Iron Co., Pottstown, Pa.
Riverside Iron Works, Wheeling, W. Va.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
J. H. Sternbergh & Son, Reading, Pa.
Troy Steel & Iron Co., Troy, N. Y.
Wheeling Steel Works, Wheeling, W. Va.
Youngstown Steel Co., Youngstown, O.

E. BLOOMS, STEEL.
Benjamin Atha & Co., Newark, N. J.
Bellaire Nail Works, Bellaire, O.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Crescent Steel Co., Pittsburgh, Pa.
Hartman Mfg. Co., 102 Chambers St., New York.
Laughlin Nail Co., Wheeling, W. Va.
Linden Steel Co., Ltd., Pittsburgh, Pa.
Ogden & Wallace, 85 Elm St., New York.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Pottstown Iron Co., Pottstown, Pa.
Riverside Iron Works, Wheeling, W. Va.
Spang Steel & Iron Co., Ltd., Pittsburgh, Pa.
Springfield Iron Co., Springfield, Ill.
Troy Steel & Iron Co., Troy, N. Y.
Wellman Iron & Steel Co., Thurlow, Pa.

F. CAST STEEL.
Benjamin Atha & Co., Newark, N. J.
Bolton Iron & Steel Co., Canton, O.
Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Howe, Brown & Co., Ltd., Pittsburgh, Pa.
Linden Steel Co., Ltd., Pittsburgh, Pa.
Ogden & Wallace, 85 Elm St., New York.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.

G. CHROME STEEL.
Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.

H. COLD ROLLED STEEL.
Benjamin Atha & Co., Newark, N. J.
Cambria Iron Co., Johnstown, Pa.
Ogden & Wallace, 85 Elm St., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

I. CRUCIBLE STEEL.
Beaver Falls Steel Works, Beaver Falls, Pa.
Brown & Co., Pittsburgh, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Park, Bro. & Co., Ltd., Pittsburgh, Pa.

	Sanderson Bros. Steel Co., Syracuse, N. Y.	
	Sterling Steel Co., Ltd., Pittsburgh, Pa.	
J. CUTLERY STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Beaver Falls Steel Works, Beaver Falls, Pa.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Sanderson Bros. Steel Co., Syracuse, N. Y.	
K. DIE BLOCK STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Beaver Falls Steel Works, Beaver Falls, Pa.	
	Bolton Iron & Steel Co., Canton, O.	
	Loring Coes & Co., Worcester, Mass.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Sanderson Bros. Steel Co , Syracuse, N. Y.	
	Sterling Steel Co., Ltd., Pittsburgh, Pa.	
L. DRAWING STEEL.	American Iron & Steel Works, Pittsburgh, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
M. DRILL STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Benjamin Atha & Co., Newark, N. J.	
	Bolton Iron & Steel Co., Canton, O.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Rand Drill Co., 23 Park Place, New York.	*218
	Sanderson Bros. Steel Co., Syracuse, N. Y.	
	Sterling Steel Co., Ltd., Pittsburgh, Pa.	
N. HAMMERED STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Brown & Co., Pittsburgh, Pa.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Cleveland City Forge & Iron Co., Cleveland, O.	
	Ogden & Wallace, 85 Elm St., New York.	
	Sanderson Bros. Steel Co., Syracuse, N. Y.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
O. KEY STEEL.	Cambria Iron Co., Johnstown, Pa.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
P. MACHINERY STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Howe, Brown & Co., Ltd., Pittsburgh, Pa.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Ogden & Wallace, 85 Elm St., New York.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
	Spang Steel & Iron Co., Ltd., Pittsburgh, Pa.	
Q. MERCHANT STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Bethlehem Iron Co., Bethlehem, Pa.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Cleveland Rolling Mill Co., Cleveland, O.	
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Moorhead-McCleane Co., Pittsburgh, Pa.	
	Morris, Wheeler & Co., 1608 Market St., Philadelphia, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
	Sloss Iron & Steel Co.. Birmingham, Ala.	
	Spang Steel & Iron Co., Ltd., Pittsburgh, Pa.	
	Troy Steel & Iron Co., Troy, N. Y.	
R. OPEN HEARTH STEEL.	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.	
	Hartman Mfg. Co., 102 Chambers St., New York.	
	Linden Steel Co., Ltd., Pittsburgh, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Pottstown Iron Co., Pottstown, Pa.	
	Springfield Iron Co., Springfield, Ill.	
S. PLOW STEEL.	Ætna Iron & Steel Co., Bridgeport, O.	
	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Beaver Falls Steel Works, Beaver Falls, Pa.	
	Brown & Co., Pittsburgh, Pa.	
	Burgess Steel & Iron Works, Portsmouth, O.	

	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
T. ROLLED STEEL.	Brown & Co., Pittsburgh, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Elmira Iron & Steel Rolling Mill Co., Elmira, N. Y.	
	Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.	
	Hartman Mfg. Co., 102 Chambers St., New York.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
U. SAFE STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Brown & Co., Pittsburgh, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
V. SAW PLATES.	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
W. SAW STEEL.	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Howe, Brown & Co., Ltd., Pittsburgh, Pa.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
X. SHEET STEEL.	Ætna Iron & Steel Co., Bridgeport, O.	
	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Beaver Falls Steel Works, Beaver Falls, Pa.	
	Britton Iron & Steel Co., Cleveland, O.	
	Canonsburg Iron & Steel Co., Canonsburg, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Ewald Iron Co., 939 N. 2d St., St. Louis, Mo.	
	Howe, Brown & Co., Ltd., Pittsburgh, Pa.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Jennings Bros. & Co., Ltd., Pittsburgh, Pa.	
	Moorhead-McCleane Co., Pittsburgh, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
	Whitaker Iron Co., Wheeling, W. Va.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
	Alan Wood Co., 519 Arch St., Philadelphia, Pa.	
	W. Dewees Wood Co., Pittsburgh, Pa.	
Y. SHOVEL STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa	
Z. SOFT STEEL.	Ætna Iron & Steel Co., Bridgeport, O.	
	Belmont Nail Co., Wheeling, W. Va.	
	Cambria Iron Co., Johnstown, Pa.	
	Fort Payne Rolling Mill, Fort Payne, Ala.	
	New Haven Rolling Mill Co., New Haven, Conn.	
	Pottstown Iron Co., Pottstown, Pa.	
	J. H. Sternbergh & Son, Reading, Pa.	
AA. SPRING STEEL.	Bolton Iron & Steel Co., Canton, O.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Cleveland Rolling Mill Co., Cleveland, O.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	Troy Steel & Iron Co , Troy, N. Y.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
BB. STEEL PLATES.	Britton Iron & Steel Co., Cleveland, O.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.	
	Pottstown Iron Co., Pottstown, Pa.	
CC. STEEL SHELLS, PRESSED.	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
DD. STEEL SLABS.	Belmont Nail Co., Wheeling, W. Va.	
	Benwood Iron Works, Wheeling, W. Va.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Laughlin Nail Co., Wheeling, W. Va.	
	Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.	
	Pottstown Iron Co., Pottstown, Pa.	
	Riverside Iron Works, Wheeling, W. Va.	
	Springfield Iron Co., Springfield, Ill.	

EE. STRIP STEEL.	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Wm. Clark's Son & Co., Pittsburgh, Pa.	
	Wellman Iron & Steel Co., Thurlow, Pa.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
FF. TIRE STEEL.	Ætna Iron & Steel Co., Bridgeport, O.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Wm. Clark's Son & Co., Pittsburgh, Pa.	
	Fort Payne Rolling Mill, Fort Payne, Ind.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Old Dominion Iron & Nail Works Co., Richmond, Va.	*35
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Troy Steel & Iron Co., Troy, N. Y.	
GG. TOE-CALK STEEL.	Ætna Iron & Steel Co., Bridgeport, O.	
	P. F. Burke, 360 Dorchester Av., Boston, Mass.	
	Cambria Iron Works, Johnstown, Pa.	
	Manhattan Rolling Mill, 445 West St., New York.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	Troy Steel & Iron Co., Troy, N. Y.	
HH. TOOL STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Beaver Falls Steel Works, Beaver Falls, Pa.	
	Bolton Iron & Steel Co., Canton, O.	
	Brown & Co., Pittsburgh, Pa.	
	Cambria Iron Co., Johnstown, Pa.	
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.	
	Howe, Brown & Co., Ltd., Pittsburgh, Pa.	
	Hussey Mfg. Co., Pittsburgh, Pa.	
	Linden Steel Co., Ltd., Pittsburgh, Pa.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
	Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.	
	Sanderson Bros. Steel Co., Syracuse, N. Y.	
	Singer, Nimick & Co., Ltd., Pittsburgh, Pa.	
	Smith Bros. & Co., Pittsburgh, Pa.	
II. WELDED VAULT STEEL.	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.	
	Park, Bro. & Co., Ltd., Pittsburgh, Pa.	
1865. TIN.		
A. BAR TIN.	San Jacinto Estate, Ltd., S. Riverside, Cal.	
B. ROOFING TIN.	Britton Rolling Mill Co., Cleveland, O.	
	P. H. Laufman Co., Ltd., Apollo, Pa.	
	Marshall Bros. & Co., Philadelphia, Pa.	
	Pittsburgh Electro Plating Co., Pittsburgh, Pa.	
	N. & G. Taylor Co., Philadelphia, Pa.	
C. SHEET TIN, BRIGHT.	Somers Bros., Brooklyn, N. Y.	
	U. S. Iron & Tin Plate Co., Demmler, Pa.	
D. TIN FOIL.	John Conley & Son, 21 Bethune St., New York.	
	John J. Crooke Co., 186 Grand St., New York.	
	Samuel H. Gilbert, 619 N. 24th St., Philadelphia, Pa.	
	W. H. Hutchinson, 196 S. Desplaines St., Chicago, Ill.	
	Lehmaier, Schwartz & Co., 33 Bleecker St., New York.	
	Wittemann Bros., 188 William St., New York.	
E. TIN ORE.	San Jacinto Estate, Ltd., S. Riverside, Cal.	
1866. TUYERE METAL.	Eastwood Wire Mfg. Co., Belleville, N. J.	
1867. ZINC.		
A. SPELTER.	Bertha Zinc Co., Pulaski City, Va.	
	Connor & Brewster, Joplin, Mo.	
	Delaware Metal Refinery, 18th St. & Wash. Av., Phila., Pa.	
	Detroit White Lead Works, Detroit, Mich.	
	Oliver Edes & Sons, Plymouth, Mass.	
	Edes, Mixter & Heald Zinc Co., Knoxville, Tenn.	
	S. C. Edgar, Water & Blow Sts., St. Louis, Mo.	
	Granby Mining & Smelting Co., 417 Olive St., St. Louis, Mo.	
	Hendrick Mfg. Co., Ltd., Carbondale, Pa.	
	Illinois Zinc Co., Peru, Ill.	
	S. H. Lanyon & Bro., Pittsburgh, Kan.	
	W. & J. Lanyon, Pittsburgh, Kan.	
	Lehigh Zinc & Iron Co., 47 N. Front St., Philadelphia, Pa.	
	Matthiesen & Hegeler Zinc Co., La Salle, Ill.	
	New Jersey Zinc & Iron Co., 52 Wall St., New York.	
	Passaic Zinc Co., 111 Liberty St., New York.	
	Phelps, Dodge & Co., 11 Cliff St., New York.	
	Taunton Copper Mfg. Co., Taunton, Mass.	*51
	Weir City Zinc Co., Weir City, Kan.	

	Wythe Lead & Zinc Mine Co., Austinville, Va.	
B. ZINC ORES.	Wythe Lead & Zinc Mine Co., Austinville, Va.	
C. ZINC RODS.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Taunton Copper Mfg. Co., Taunton, Mass.	*51

XXVII. MUSICAL INSTRUMENTS.

1868. AUTOMATIC MUSICAL INSTRUMENTS.		
	Æolian Organ & Music Co., 831 Broadway, New York.	
1869. BAND INSTRUMENTS.	Joseph Bohmann, 306 State St., Chicago, Ill.	
	Boston Musical Inst. Mfg Co., 71 Sudbury St., Boston Mass.	
	F. Busch, 251 Bowery, New York.	
	C. G. Conn, Elkhart, Ind.	
	C. Missenharter, 204 E. 23d St., New York.	
1870. BANJOS.	Geo. Barrett, Woodhaven, L. I., N. Y.	
	Joseph Bohmann, 306 State St., Chicago, Ill.	
	J. H. Buckbee, 1963 Webster Av., New York.	
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
	Hoseus Bros., 715 Driggs St., Brooklyn, N. Y.	
	J. F. Luscomb, 62 Sudbury St., Boston, Mass.	
	Lyon & Healy, 162 State St., Chicago, Ill.	
	S. S. Stewart, 223 Church St., Philadelphia, Pa.	
	Geo. Velsor & Son, 315 N. 2d St., Brooklyn, N. Y.	
A. BANJO KEYS.	Arlington Mfg. Co., 392 Broadway, New York.	
1871. BASS VIOLS.	Joseph Bohmann, 306 State St., Chicago, Ill.	
	Thompson & Odell, 186 Washington St., Boston, Mass.	
1872. BASSOONS.	Wm. G. Schulze, 359 Broadway, New York.	
1873. BELLS, ORCHESTRA.	B. Shoninger Co., New Haven, Conn.	
1874. BOWS.	Chas. F. Albert, 205 S. 9th St., Philadelphia, Pa.	
1875. CASES, MUSICAL INSTRUMENT.		
	Crane Bros., Westfield, Mass.	*74
	Peter Gilgen, 267 Henry St., Chicago, Ill.	
	Hugo Kleineick, Newark, N. J.	
A. MUSICAL INSTRUMENT BAGS.	G. E. Constantine, 182 Sackman St., Brooklyn, N. Y.	
	Chas. F. Hauson & Co., Worcester, Mass.	
B. MUSICAL INSTRUMENT CASES, LEATHER.	Maulbetsch & Whittemore, 108 Railroad Av., Newark, N. J.	
C. VIOLIN CASES.	H. C. Barnes, 21 Hanover St., Boston, Mass.	
	Julius Kraft, 372 Belmont Av., E. New York, N. Y.	
D. VIOLIN COVERS.	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.	
1876. CLARINETS.	T. Berteling & Co., 177 Bowery, New York.	
	Geo. Cloos, 39 Stagg St., Brooklyn, N. Y.	
1877. CYMBALS.	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
	B. F. Richardson, 13 Bowker St., Boston, Mass.	
1878. DRUMS.	J. H. Buckbee, 1963 Webster Av., New York.	
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
	Hoseus Bros., 715 Driggs St., Brooklyn, N. Y.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
	Geo. Velsor & Son, 315 N. 2d St., Brooklyn, N. Y.	
	S. Wells & Son, 219 Middleton St., Brooklyn, N. Y.	
A. BASS DRUMS.	C. G. Conn, Elkhart, Ind.	
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
	Geo. Velsor & Son, 315 N. 2d St., Brooklyn, N. Y.	
B. DRUM HEADS.	Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.	
C. KETTLE DRUMS.	C. G. Conn, Elkhart, Ind.	
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
D. ORCHESTRA DRUMS.	C. G. Conn, Elkhart, Ind.	
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
E. SNARE DRUMS.	C. G. Conn, Elkhart, Ind.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
1879. DULCIMERS.	Hartmann Bros. & Reinhard, 225 Bowery, New York.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
1880. FIFES.	Geo. Cloos, 39 Stagg St., Brooklyn, N. Y.	
1881. FLAGEOLETS, BRASS.	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
1882. FLUTES.	T. Berteling & Co., 177 Bowery, New York.	
	Geo. Cloos, 39 Stagg St., Brooklyn, N. Y.	

1883. GUITARS.	Arlington Mfg. Co., 392 Broadway, New York.
	Jos. Bohmann, 306 State St., Chicago, Ill.
	G. A. Ernst, Camden, N. J.
	L. B. Gatcomb Co., 30 Hanover St., Boston, Mass.
	Hartmann Bros. & Reinhard, 225 Bowery, New York.
	J. C. Haynes & Co., 33 Court St., Boston, Mass.
	Lyon & Healy, 156 State St., Chicago, Ill.
	J. F. Stratton & Son, 43 Walker St., New York.
1884. HAND ORGANS.	H. S. Taylor, 229 Park Row, New York.
1885. HARMONICAS.	Oepinger & Butler, Greenfield, Mass.
1886. HARPS.	Lyon & Healy, 156 State St., Chicago, Ill.
1887. MANDOLINS.	Jos. Bohmann, 306 State St., Chicago, Ill.
	Hartmann Bros. & Reinhard, 225 Bowery, New York.
	J. C. Haynes & Co., 33 Court St., Boston, Mass.
	Lyon & Healy, 156 State St., Chicago, Ill.
	J. F. Stratton & Son, 43 Walker St., New York.
1888. METALLOPHONES.	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.
1889. MUSIC RESTS.	Æolian Organ & Music Co., 18 W. 23d St., New York.
	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	Foster, Merriam & Co., Meriden, Conn.
	W. T. Mersereau & Co., Newark, N. J.
	Pittsburgh Brass Co., Allegheny, Pa.
A. MUSIC STANDS, ORCHESTRA.	B. F. Baines, Philadelphia, Pa.
	W. J. Bishop, 108 Edward St., Philadelphia, Pa.
	Krauth & Benninghofen, Hamilton, O.
1890. OBOES.	T. Berteling & Co., 177 Bowery, New York.
	Wm. G. Schulze, 359 Bowery, New York.
1891. OCARINAS.	R. Teschner, Millers Corners, Ontario Co., N. Y.
1892. ORCHESTRIONS.	Bernhard Dufner, Buffalo, N. Y.
1893. ORGANS.	
A. CABINET REED ORGANS.	Æolian Organ & Music Co., 18 W. 23d St., New York.
	Bridgeport Organ Co., Bridgeport, Conn.
	E. P. Carpenter Co., Brattleboro', Vt.
	A. B. Chase Co., Norwalk, O.
	Chicago Cottage Organ Co., 215 Wabash Av., Chicago, Ill.
	Clough & Warren Organ Co., Detroit, Mich.
	Dyer & Hughes, Foxcroft, Me.
	Estey Organ Co., Brattleboro', Vt.
	Farrand & Votey Organ Co., Detroit, Mich.
	Fort Wayne Organ Co., Fort Wayne, Ind.
	Jewett & Goodman Organ Co., Cleveland, O.
	W. W. Kimball Co., 243 Wabash Av., Chicago, Ill.
	Lyon & Healy, 156 State St., Chicago, Ill.
	Mason & Hamlin Organ & Pia. Co., 154 Tremont St., Boston, Mass.
	Reuben Midner & Son, 97 Steuben St., Brooklyn, N. Y.
	Miller Organ Co., Lebanon, Pa.
	Newman Bros., 15 Dix St., Chicago, Ill.
	Prescott Piano & Organ Co., Concord, N. H.
	F. L. Raymond, Cleveland, O.
	B. Shoninger Co., New Haven, Conn.
	Smith American Piano Co., 531 Tremont St., Boston, Mass.
	Sterling Co., Derby, Conn.
	Storey & Clark, Chicago, Ill.
	Taber Organ Co., Worcester, Mass.
	Waterloo Organ Co., Waterloo, N. Y.
	Weaver Organ & Piano Co., York, Pa.
	A. H. Whitney Co., Quincy, Ill.
	C. J. Whitney & Co., Detroit, Mich.
	Wilcox & White Organ Co., Meriden, Conn.
B. CHURCH ORGANS.	Estey, Bruce & Co., 18 N. 7th St., Philadelphia, Pa.
	Estey Organ Co., Brattleboro', Vt.
	Fort Wayne Organ Co., Fort Wayne, Ind.
	Hook & Hastings, 10 Tremont St., Boston, Mass.
	Geo. Jardine & Son, 318 E. 39th St., New York.
	J. H. & C. S. Odell, 407 W. 42d St., New York.
	Frank Roosevelt, 1945 Park Av., New York.
	Sherman, Clay & Co., San Francisco, Cal.
	Wilcox & White Organ Co., Meriden, Conn.
C. MECHANICAL ORGANS.	Æolian Organ & Music Co., 18 W. 23d St., New York.
	Autophone Co., Ithaca, N. Y. *66
D. ORCHESTRAL ORGANS.	Fort Wayne Organ Co., Fort Wayne, Ind.
E. PIPE ORGANS.	Estey, Bruce & Co., 18 N. 7th St., Philadelphia, Pa.
	Farrand & Votey Organ Co., Detroit, Mich.
	L. C. Harrison & Co., 8 E. 18th St., New York.
	Geo. S. Hastings, Boston, Mass.
	Hook & Hastings, 10 Tremont St., Boston, Mass.

Geo. Jardine & Son, 318 E. 39th St., New York.
W. W. Kimball Co., 243 Wabash Av., Chicago, Ill.
Mason & Risch, Worcester, Mass.
Moline Pipe Organ Co., Moline, Ill.
Frank Roosevelt, 1945 Park Av., New York.
Woodberry & Harris, 339 Albany St., Boston, Mass.

F. ROLLER ORGANS. Autophone Co., Ithaca, N. Y. *66

1894. ORGAN PARTS & SUPPLIES.

A. OCTAVE COUPLERS. A. W. Wilcox, Worcester, Mass.

B. ORGAN ACTIONS. E. P. Carpenter Co., Brattleboro', Vt.
Sylvanus Elliott, Winchester, Mass.

C. ORGAN CASES. Bauerle & Stark, 224 W. Ohio St., Chicago, Ill.

D. ORGAN HARDWARE. Cornwall & Patterson Mfg. Co., Bridgeport, Conn.
New Britain Hardware Co., New Britain, Conn.

E. ORGAN KEYS. Comstock, Cheney & Co., Ivoryton, Conn.
Sylvester Tower, Cambridgeport, Mass.

F. ORGAN LEATHER. White Bros. & Co., 175 Summer St., Boston, Mass.

G. ORGAN PIPES. Julius Felgemaker, Erie, Pa.
Edwin Hedges, Westfield, Mass.
Samuel Pierce, Reading, Mass.
Stephen Symonds & Co., Salem, Mass.
M. A. Ware, Millis, Mass.

H. ORGAN REEDS. A. H. Hammond & Co., Worcester, Mass.
G. W. Ingalls & Co., Worcester, Mass.
Monroe Organ Reed Co., Worcester, Mass.
J. D. Whitney & Son, Brattleboro', Vt.

I. ORGAN SPRINGS. Chas. E. Austin, Lowell, Mass.
Wallace Barnes, Bristol, Conn.
Dunbar Bros., Bristol, Conn.
Morgan Spring Co., Worcester, Mass.
Sabin Machine Co., Montpelier, Vt.

J. ORGAN STOPS. Denison Bros., Deep River, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Novelty Wood Turning Co., Fitchburg, Mass.

1895. ORGUINETTES.

Æolian Organ & Music Co., 18 W. 23d St., New York.
Munroe Organ Reed Co., Worcester, Mass.

1896. PIANOS.

A. GRAND PIANOS. Chickering & Sons, 130 5th Av., New York.
Emerson Piano Co., 174 Tremont St., Boston, Mass.
Ernst Gabler & Bro., 214 E. 22d St., New York.
Ivers & Pond Piano Co., 183 Tremont St., Boston, Mass.
Wm. Knabe & Co., 148 5th Av., New York.
Krakauer Bros., 40 Union Square, New York.
Lyon, Potter & Co., 174 Wabash Av., Chicago, Ill.
Mathushek Piano Co., New Haven, Conn.
F. Miller & Sons Piano Co., 156 Tremont St., Boston, Mass.
Schomacker Piano Forte Mfg. Co., 1109 Chestnut St., Phila., Pa.
Sohmer & Co., 153 E. 14th St., New York.
Steinway & Sons, 109 E. 14th St., New York.
A. Weber (Estate of), 108 5th Av., New York.
W. E. Wheelock & Co., 763 E. 149th St., New York.

B. SQUARE PIANOS. H. F. Miller & Sons Piano Co., 156 Tremont St., Boston, Mass.

C. UPRIGHT PIANOS. Julius Bauer Co., 156 Wabash Av., Chicago, Ill.
Behr Bros. & Co., 15 E. 14th St., New York.
Boardman & Gray, Albany, N. Y.
C. C. Briggs & Co., 5 Appleton St., Boston, Mass.
Robt. Cable, Jr., 550 W. 38th St., New York.
Chase Bros. Piano Co., Grand Rapids, Mich.
Chickering & Sons, 130 5th Av., New York.
Clough & Warren Organ Co., Detroit, Mich.
Conover Bros. Co., 37 9th Av., New York.
Decker Bros., 33 Union Square, New York.
Decker & Son, 975 E. 135th St., New York.
Emerson Piano Co., 174 Tremont St., Boston, Mass.
Estey Organ Co., Brattleboro', Vt.
Estey Piano Co., Lincoln Av. & S. Boulevard, New York.
Ernest Gabler & Bro., 214 E. 22d St., New York.
Gem Piano & Organ Co., Washington, N. J.
Haines Bros., Boulevard & Alexander Av., New York.
Hallet & Davis Piano Mfg. Co., 700 Harrison Av., Boston, Mass.
Hazleton Bros., 34 University Place, New York.
Ivers & Pond Piano Co., 183 Tremont St., Boston, Mass.
W. W. Kimball Co., 243 Wabash Av., Chicago, Ill.
Wm. Knabe & Co., 148 5th Av., New York.
Krakauer Bros , 40 Union Square, New York.
Kranich & Bach, 237 E. 23d St., New York.

	Lyon, Potter & Co., 174 Wabash Av., Chicago, Ill.	
	Mason & HamlinOrgan & Pia.Co., 154 Tremont St., Boston, Mass.	
	Mathushek Piano Mfg. Co., New Haven, Conn.	
	H. F. Miller & Sons Piano Co., 156 Tremont St., Boston, Mass.	
	Pease Piano Co., 320 W. 43d St., New York.	
	Peek & Son, 212 W. 47th St., New York.	
	Schomacker Piano Forte Mfg. Co., 1109 Chestnut St., Phila., Pa.	
	Schubert Piano Co., 537 E. 134th St., New York.	
	B. Shoninger Co., New Haven, Conn.	
	Freeborn G. Smith, 241 Willoughby St., Brooklyn, N. Y.	
	Smith American Piano Co., 531 Tremont St., Boston, Mass.	
	Sohmer & Co., 153 E. 14th St., New York.	
	Geo. Steck & Co., 11 E. 14th St., New York.	
	Steinway & Sons, 109 E. 14th St., New York.	
	Sterling Co., Derby, Conn.	
	Charles M. Stieff, Baltimore, Md.	
	Stultz & Bauer, 338 E. 31st St., New York.	
	Vose & Sons Piano Co., 170 Tremont St., Boston, Mass.	
	R. M. Walters, 59 University Place, New York.	
	Waterloo Organ Co., Waterloo, N. Y.	
	Weaver Organ & Piano Co., York, Pa.	
	A. Weber (Estate of), 108 5th Av., New York.	
	W. E. Wheelock & Co., 763 E. 149th St., New York.	
	A. H. Whitney Co., Quincy, Ill.	
D. UPRIGHT PIANOS, CHIME ATTACHMENTS.	C. C. Briggs & Co., 5 Appleton St., Boston, Mass.	
	B. Shoninger Co., New Haven, Conn.	

1897. PIANO PARTS.

A. ACTION BRACKETS.	Comstock, Cheney & Co., Ivoryton, Conn.	
	Davenport & Treacy Co., 444 W. 16th St., New York.	
	Strauch Bros., 30 10th Av., New York.	
B. ORCHESTRA CHIMES.	Comstock, Cheney & Co., Ivoryton, Conn.	
	B. Shoninger Co., New Haven, Conn.	
C. PIANO ACTIONS.	Sylvester Tower, Cambridgeport, Mass.	
	Wessell, Nickel & Gross, 457 W. 45th St., New York.	
D. PIANO CASES.	Dielmann & Lincks, 517 W. 19th St., New York.	
	Alfred Dolge, Dolgeville, N. Y.	
	J. P. Lockey & Co., Leominster, Mass.	
	Freeborn G. Smith, 241 Willoughby St., Brooklyn, N. Y.	
E. PIANO FOOT CLAMPS.	R. Bliss Mfg. Co., Pawtucket, R. I.	
F. PIANO FRAMES.	Davenport & Treacy Co., 745 E. 11th St., New York.	
	H. H. Harney & Co., Greenpoint, N. Y.	
	P. Shriver & Co., 333 E. 56th St., New York.	
G. PIANO HAMMERS.	Comstock, Cheney & Co., Ivoryton, Conn.	
	Alfred Dolge, Dolgeville, N. Y.	
	Schmidt & Co., 312 E. 22d St., New York.	
H. PIANO HARDWARE.	Cornwall & Patterson Mfg. Co., Bridgeport, Conn.	
	Alfred Dolge, Dolgeville, N. Y.	
	Henry Haas & Son, 402 E. 30th St., New York.	
	New Britain Hardware Co., New Britain, Conn.	
I. PIANO KEYS.	Comstock, Cheney & Co., Ivoryton, Conn.	
	N. Y. Piano Forte Key Co., 449 W. 51st St., New York.	
	Sylvester Tower, Cambridgeport, Mass.	
J. PIANO KEY PINS.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Plume & Atwood, Waterbury, Conn.	
K. PIANO LEGS.	F. Woehr, 130 Worth St., New York.	
L. PIANO MATERIALS.	Alfred Dolge, Dolgeville, N. Y.	
	L. F. Hepburn, & Co., 444 Broome St., New York.	
	Lyon & Healy, 156 State St., Chicago, Ill.	
M. SOUNDING BOARDS	Alfred Dolge, Dolgeville, N. Y.	
	L. F. Hepburn & Co., 444 Broome St., New York.	
	Parker & Young Mfg. Co., Lisbon, N. H.	

1898. STRINGS, MUSICAL INSTRUMENT.

A. HARP STRINGS.	Morse String Co., 246 W. 27th St., New York.
	Rice Musical String Co., 161 W. 29th St., New York.
B. PIANO STRINGS.	Alfred Dolge, Dolgeville, N. Y.
	Jacob Doll, 402 E. 30th St., New York.
	Francis Ramacciotti, 164 W. 27th St., New York.
	C. Reinwarth, 386 2d Av., New York.
	Rice Musical String Co., 161 W. 29th St., New York.
C. VIOLIN & BANJO STRINGS.	Morse String Co., 246 W. 27th St., New York.
	Rice Musical String Co., 161 W. 29th St., New York.
D. WIRE COVERED STRINGS, DOUBLE.	Chas. F. Albert, 205 S. 9th St., Philadelphia, Pa.
	Jacob Doll, 402 E. 30th St., New York.
	Rice Bros., 86 Park Place, New York.
	F. Wiegand, East New York, N. Y.

1899. TAMBOURINES.	J. H. Buckbee, 1963 Webster Av., New York.
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.
	Hoseus Bros., 715 Driggs St., Brooklyn, N. Y.
	Lyon & Healy, 156 State St., Chicago, Ill.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Geo. Velsor & Son, 315 N. 2d St., Brooklyn, N. Y.
	S. Wells & Son, 219 Middleton St., Brooklyn, N. Y.
1900. TIN WHISTLES.	Sherman Bros., Pearsalls, L. I., N. Y.
1901. TRIANGLES.	Humason & Beckley Mfg. Co., New Britain, Conn.
	R. Rodgers, 387 3d Av., New York.
1902. TUNING FORKS.	Humason & Beckley Mfg. Co., New Britain, Conn.
1903. VIOLAS.	Chas. F. Albert, 205 S. 9th St., Philadelphia, Pa.
	Joseph Bohmann, 306 State St., Chicago, Ill.
	A. Gemunder, 13 E. 16th St., New York.
	Thompson & Odell, 186 Washington St., Boston, Mass.
1904. VIOLINS.	Chas. F. Albert, 205 S. 9th St., Philadelphia, Pa.
	Joseph Bohmann, 306 State St., Chicago, Ill.
	John Friedrich & Bro., 16 Cooper Union, New York.
	August Gemunder, 13 E. 16th St., New York.
	Thompson & Odell, 186 Washington St., Boston, Mass.
A. VIOLIN KEYS.	Arlington Mfg. Co., 392 Broadway, New York.
1905. VIOLONCELLOS.	Chas. F. Albert, 205 S. 9th St., Philadelphia, Pa.
	Joseph Bohmann, 306 State St., Chicago, Ill.
	A. Gemunder, 13 E. 16th St., New York.
	Thompson & Odell, 186 Washington St., Boston, Mass.
1906. VOCOPHONES.	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.
1907. XYLOPHONES.	Hartmann Bros. & Reinhard, 225 Bowery, New York.
	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.
	Somerville Mfg. Co., Somerville, Mass.
1908. ZITHERS.	Joseph Bohmann, 306 State St., Chicago, Ill.
	G. A. Ernst, Camden, N. J.
	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.
	Hartmann Bros. & Reinhard, 225 Bowery, New York.
	W. A. Judkins, 89 Court St., Boston, Mass.
	Lyon & Healy, 156 State St., Chicago, Ill.
A. TOY ZITHERS.	Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.
	Somerville Mfg. Co., Somerville, Mass.

XXVIII. OILS, GREASE AND TALLOW.

1909. ANTI-RUST OILS.	Binghamton Oil Refinery Co., Binghamton, N. Y.
	E. H. Kellogg & Co., 243 South St., New York.
	Wm. F. Nye, New Bedford, Mass.
1910. ARTISTS' OILS.	F. W. Devoe & Co., Fulton & William Sts., New York.
	C. T. Reynolds & Co., 106 Fulton St., New York.
A. CHINA DECORATIVE OILS.	C. T. Reynolds & Co., 106 Fulton St., New York.
1911. BELTING OILS.	Borne, Scrymser & Co., 80 South St., New York.
	Buffalo Specialty Mfg. Co., Buffalo, N. Y.
	Fiske Bros., 59 Water St., New York.
	Parke & Lacy Co., San Francisco, Cal.
	Phœnix Oil Co., 4257 Columbia Ave., Philadelphia, Pa.
	E. L. Post & Co., 50 Cliff St., New York.
	Thompson & Bedford Co., 128 Pearl St., New York.
1912. BLACK OIL.	Emery Candle Co., 35 W. 4th St., Cincinnati, O.
1913. COTTON SEED OIL.	
A. CRUDE COTTON SEED OILS	American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
	Anderson Oil & Fertilizer Co., Anderson, S. C.
	Atlanta Cotton Seed Oil Mills, Atlanta, Ga.
	Conetoe Oil Mills, Conetoe, N. C.
	Co-operative Mfg. Co., Forsythe, Ga.
	Diamond Huller & Oil Co., Memphis, Tenn.
	Elberton Oil Mills, Elberton, Ga.
	Florida Mfg. Co., Madison, Fla.
	Galveston Oil Co., Galveston, Tex.
	Gate City Oil Co., 10 Decatur St., Atlanta, Ga.
	Greenville Oil Works, Greenville, Miss.
	Meridian Oil & Mfg. Co., Meridian, Miss.

Planters' Oil Mill Co., Memphis, Tenn.
Port Gibson Oil Works, Port Gibson, Miss.
Rome Oil Mills & Fertilizer Co., Rome, Ga.
Sherman Oil & Cotton Co., Sherman, Tex.
Southern Cotton Oil Co., Memphis, Tenn.
Swan & Finch, 151 Maiden Lane, New York.
Union Oil Co., New Orleans, La.
Valley Oil Mills, Memphis, Tenn.

B. REFINED COTTON SEED OILS.
American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Gate City Oil Co., 10 Decatur St., Atlanta, Ga.
Josiah Macy's Sons, 191 Front St., New York.
Manhattan Oil Co., 51 Front St., New York.
Reed, Hall & Hewlitt, 20 Platt St., New York.
Rome Oil Mills & Fertilizer Co., Rome, Ga.
Southern Cotton Oil Co., Columbia, S. C.
Swan & Finch, 151 Maiden Lane, New York.
Union Oil Co., Providence, R. I.
Valley Oil Mills, Memphis, Tenn.

1914. COTTON SEED SOAP STOCK.
American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Future City Oil Works Co., 610 S. Main St., St. Louis, Mo.
Gate City Oil Co., 10 Decatur St., Atlanta, Ga.
Manhattan Oil Co., 51 Front St., New York.
Planters' Oil Mill Co., Memphis, Tenn.
Southern Cotton Oil Co., Memphis, Tenn.
Union Oil Co., Providence, R. I.
Valley Oil Mills, Memphis, Tenn.

1915. CURRIERS' OILS.
Binghamton Oil Refining Co., Binghamton, N. Y.
Fiske Bros., 59 Water St., New York.
Globe Oil Co., Cleveland, O.
L. M. Haskins & Co., 176 Atlantic Av., Boston, Mass.
Ilsley, Doubleday & Co., 229 Front St., New York.
Meriam & Morgan Paraffine Co., Cleveland, O.
Tidewater Oil Co., 12 Broadway, New York.

1916. ELAINE OILS.
Emery Candle Co., 35 W. 4th St., Cincinnati, O.
Josiah Macy's Sons, 191 Front St., New York.
Manhattan Oil Co., 51 Front St., New York.

1917. FINE MACHINE OILS.

A. BICYCLE OILS.
American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Ezra Kelley, New Bedford, Mass.
Lovell, Tracy & Co., Hartford, Conn.
Wm. F. Nye, New Bedford, Mass.
Swan & Finch, 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Whittier, Fuller & Co., San Francisco, Cal.

B. CLOCK & WATCH OILS.
Ezra Kelley, New Bedford, Mass.
Wm. F. Nye, New Bedford, Mass.

C. GUN OILS.
E. H. Kellogg & Co., 243 South St., New York.
Wm. F. Nye, New Bedford, Mass.
Thompson & Bedford Co., 128 Pearl St., New York.

D. SEWING MACHINE OIL.
American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Brooks Oil Co., Cleveland, O.
Ilsley, Doubleday & Co., 229 Front St., New York.
Ezra Kelley, New Bedford, Mass.
E. H. Kellogg & Co., 243 South St., New York.
McKesson & Robbins, 91 Fulton St., New York.
Manhattan Oil Co., 51 Front St., New York.
Frank Miller & Sons, 349 W. 26th St., New York. *17
Wm. F. Nye, New Bedford, Mass.
Vacuum Oil Co., Rochester, N. Y.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

E. TYPEWRITER OIL.
Ezra Kelley, New Bedford, Mass.
Wm. F. Nye, New Bedford, Mass.

1918. FISH OILS.
Arctic Oil Works, San Francisco, Cal.
Barren Island & Guano Co., 56 West St., New York.
Wm. J. Brightman, Tiverton, R. I.
Joseph Church & Co., Tiverton, R. I.
Geo. Delano's Sons, New Bedford, Mass.
Dey & Bro., Beaufort, N. C.
Excelsior Oil & Guano Co., Deep River, Conn.
Luce Bros., Niantic, Conn.
W. A. Robinson & Co., New Bedford, Mass.
Round Pond Oil & Guano Co., Round Pond, Me.

1919. GASOLINE.
Atlantic Refining Co., Chestnut & 4th Sts., Philadelphia, Pa

Maverick Oil Co., 61 Broad St., Boston, Mass.
McKirgan Oil Co., Newark, N. J.
Pratt Mfg. Co., 26 Broadway, New York.
Standard Oil Co., Cleveland, O.

1920. GREASE.

A. AXLE GREASE.

Brooks Oil Co., Cleveland, O.
Joseph Dixon Crucible Co., Jersey City, N. J.
Fiske Bros. Grease Co., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Galena Axle Grease Co., Galena, Ill.
Globe Oil Co., Cleveland, O.
Ilsley, Doubleday & Co., 229 Front St., New York.
Longman & Martinez, 207 Pearl St., New York.
Lovell, Tracey & Co., Hartford, Conn.
Meriam & Morgan Paraffine Co., Cleveland, O.
F. W. Potter, Newburgh, N. Y.
Smith & Nichols, 143 Front St., New York.
D. A. Stuart & Co., 8 State St., Chicago, Ill.
Standard Oil Co., Cleveland, O.
Swan & Finch, 151 Maiden Lane, New York.
Union Grease Co., 39 Hartford St., Boston, Mass.
Waters-Pierce Oil Co., Oliver & 9th Sts., St. Louis, Mo.

B. BELT GREASE.

Buffalo Specialty Mfg. Co., Buffalo, N. Y.
Joseph Dixon Crucible Co., Jersey City, N. J.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
Smith & Nichols, 143 Front St., New York.
Swan & Finch, 151 Maiden Lane, New York.
Union Grease Co., 39 Hartford St., Boston, Mass.

C. CAR GREASE.

Fiske Bros. Grease Co., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
Longman & Martinez, 207 Pearl St., New York.
F. W. Potter, Newburgh, N. Y.
Reliance Oil & Grease Co., Cleveland, O. *72
Swan & Finch, 151 Maiden Lane, New York.
Waters-Pierce Oil Co., Oliver & 9th Sts., St. Louis, Mo.

D. CUP GREASE.

Colgan Mfg. Co., 294 West St., New York.
Fiske Bros. Grease Co., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Globe Oil Co., Cleveland, O.
Ilsley, Doubleday & Co., 229 Front St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
Smith & Nichols, 143 Front St., New York.
Swan & Finch, 151 Maiden Lane, New York.
Winkler & Kerchoff, 439 Branch St., Chicago, Ill.

E. CYLINDER GREASE.

Fiske Bros. Grease Co., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Reliance Oil & Grease Co., Cleveland, O. *72
Smith & Nichols, 143 Front St., New York.
Swan & Finch, 151 Maiden Lane, New York.

F. GEAR GREASE.

Binghamton Oil Refining Co., Binghamton, N. Y.
Fiske Bros. Grease Co., 59 Water St., New York.
Frazer Lubricator Co.,47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Reliance Oil & Grease Co., Cleveland, O. *72
Smith & Nichols, 143 Front St., New York.
Swan & Finch, 151 Maiden Lane, New York.

G. GRAPHITE GREASE.

Joseph Dixon Crucible Co., Jersey City, N. J.
Ilsley, Doubleday & Co., 229 Front St., New York.
S. Obermayer Fdry. Sup. Mfg.Co., Evans S.of 8th St., Cin.,O.*54
Pacific Graphite Mfg. Co., San Francisco, Cal.
F. W. Potter, Newburgh, N. Y.
Swan & Finch, 151 Maiden Lane, New York.

H. MACHINERY GREASE.

Binghamton Oil Refining Co., Binghamton, N. Y.
Columbia Refining Co., 18 Broadway, New York.
Fiske Bros. Grease Co., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
E. H. Kellogg & Co., 243 South St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
F. W. Potter, Newburgh, N. Y.

	Tidewater Oil Co., 12 Broadway, New York.
1921. HARNESS OIL.	Brooks Oil Co., Cleveland, O.
	Buffalo Specialty Mfg. Co., Buffalo, N. Y.
	Britton & Thurston, 71 Barclay St., New York.
	Clifford & Co., 2 Harvard Place, Boston, Mass.
	Diamond Harness Oil & Soap Co., Constantine, Mich.
	Eclipse Cement Co., 1240 N. 44th St., Philadelphia, Pa.
	Germania Oil Co., Detroit, Mich.
	Globe Oil Co., Cleveland, O.
	Lovell, Tracy & Co., Hartford, Conn.
	A. D. Miller & Sons, Pittsburgh, Pa.
	Frank Miller & Sons, 349 W. 26th St., New York. *17
	Vacuum Oil Co., Rochester, N. Y.
	L. M. West Mfg. Co., Rockford, Ill.
1922. ILLUMINATING OIL.	Acme Oil Co., 26 Broadway, New York.
	Atlantic Refining Co., Chestnut & 4th Sts., Philadelphia, Pa.
	Baltimore United Oil Co., Baltimore, Md.
	Beacon Oil Co., 89 State St., Boston, Mass.
	Bush & Denslow Mfg. Co., 130 Pearl St., New York.
	Camden Consolidated Oil Co., Wheeling, W. Va.
	Campbell & Thayer, 89 Maiden Lane, New York.
	Devoe Mfg. Co., 75 New St., New York.
	Eclipse Lubricating Oil Co., Franklin, Pa.
	Empire Refining Co., 26 Broadway, New York.
	Genesee Oil Works, Buffalo, N. Y.
	Iola Oil Works, Pittsburgh, Pa.
	Longman & Martinez, 207 Pearl St., New York.
	McKirgan Oil Co., Newark, N. J.
	Maverick Oil Co., 61 Broad St., Boston, Mass.
	A. D. Miller & Sons, Pittsburgh, Pa.
	National Oil Co., Ltd., Titusville, Pa.
	Pacific Coast Oil Co., San Francisco, Cal.
	Peerless Co., Cleveland, O.
	Pratt Mfg. Co., 26 Broadway, New York.
	Sone & Fleming Mfg. Co., Ltd., Kingsland Av., Brooklyn, N. Y.
	Standard Oil Co., Cleveland, O.
	Tidewater Oil Co., 12 Broadway, New York.
	Waters-Pierce Oil Co., Olive & 9th Sts., St. Louis, Mo.
A. MINERS' OIL.	American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
	Frazer Lubricator Co., 47 River St., Chicago, Ill.
	A. G. Harbaugh & Co., Cleveland, O.
	A. D. Miller & Sons, Pittsburgh, Pa.
	D. A. Stewart & Co., 8 State St., Chicago, Ill.
B. SIGNAL OIL.	Binghamton Oil Refining Co., Binghamton, N. Y.
	Ilsley, Doubleday & Co., 229 Front St., New York.
	E. H. Kellogg & Co., 243 South St., New York.
	A. D. Miller & Sons, Pittsburgh, Pa.
	Reed, Hall & Hewlitt, 20 Platt St., New York.
	Signal Oil Works, Ltd., Franklin, Pa.
	Thompson & Bedford Co., 128 Pearl St., New York.
	Tidewater Oil Co., 12 Broadway, New York.
	Union Grease Co., 39 Hartford St., Boston, Mass.
	Vacuum Oil Co., Rochester, N. Y.
1923. JUTE OILS.	Crew-Levick Co., 113 Arch St., Philadelphia, Pa.
	Fiske Bros., 59 Water St., New York.
	Swan & Finch, 151 Maiden Lane, New York.
	Thompson & Bedford Co., 128 Pearl St., New York.
1924. LARD OILS.	Borne, Scrymser & Co., 80 South St., New York.
	Jas. Dalzell, Son & Co., Ltd., Pittsburgh, Pa.
	Davis Oil Co., 424 Produce Exchange, New York.
	Fiske Bros., 59 Water St., New York.
	Frazer Lubricator Co., 47 River St., Chicago, Ill.
	A. G. Harbaugh & Co., Cleveland, O.
	Geo. J. Janton & Sons, Columbus, O.
	Josiah Macy's Sons, 191 Front St., New York.
	Manhattan Oil Co., 51 Front St., New York.
	B. V. Page Co., 50 Erie St., Chicago, Ill.
	T. M. Sinclair & Co., Cedar Rapids, Iowa.
	Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
	Swan & Finch, 151 Maiden Lane, New York.
	W. J. Wilcox Lard & Refining Co., Room L, Prod. Ex., New York.
1925. LINSEED OIL.	Atlantic White Lead & Linseed Oil Co., 287 Pearl St., New York.
	E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
	Burlington Linseed Oil Works, Burlington, Iowa.
	Campbell & Thayer, 89 Maiden Lane, New York.
	Cedar Rapids Linseed Oil Works, Cedar Rapids, Iowa.

Chicago White L. & Oil Co., N. Green & Fulton Sts., Chicago, Ill.
Cincinnati Linseed Oil Co., 9 W. Front St., Cincinnati, O.
H. S. Clark & Co., Mendota, Ill.
Cleveland Linseed Oil Co., Cleveland, O.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Dean Linseed Oil Co., 181 Front St., New York.
Dubuque Linseed Oil Co., Dubuque, Iowa.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
Griswold Linseed Oil Co., Cleveland, O.
Grove Linseed Oil Co., 218 Race St., Philadelphia, Pa.
Kellogg & McDougall, Buffalo, N. Y.
John T. Lewis & Bros., 231 S. Front St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
Niagara Linseed Oil Works, Buffalo, N. Y.
National Lead & Oil Co. of N. Y., 28 Burling Slip, New York.
National Linseed Oil Co., 967 Rookery, Chicago, Ill.
St. Paul White Lead Oil Co., St. Paul, Minn.
Sioux City Linseed Oil Works, Sioux City, Iowa.
Topeka Linseed Oil Co., Topeka, Kan.
Woodman Linseed Oil Co., Omaha, Neb.

A. BOILED LINSEED OIL.
Atlantic White Lead & Linseed Oil Co., 287 Pearl St., New York.
Campbell & Thayer, 89 Maiden Lane, New York.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
National Linseed Oil Co., 967 Rookery, Chicago, Ill.
Woodman Linseed Oil Works, Omaha, Neb.

B. LINSEED OIL SUBSTITUTE.
Emery-Webster Oil Co., Bradford, Pa.
W. H. Magoffin, Drexel Building, Philadelphia, Pa.

1926. LUBRICATING COMPOUNDS.

American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Adam Cook, 313 West St., New York.
Dreher Mfg. Co., 37 Platt St., New York.
Fiske Bros. Grease Co., 59 Water St., New York.
Ilsley, Doubleday & Co., 229 Front St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
F. W. Potter, Newburgh, N. Y.
Peter Pulver & Sons, 214 Franklin St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
D. A. Stuart & Co., 8 State St., Chicago, Ill.
Upsons Oil & Soap Co., Parkersburg, W. Va.

1927. LUBRICATING OILS.

A. AXLE OILS, CAR.
Borne, Scrymser & Co., 80 South St., New York.
Brooks Oil Co., Cleveland, O.
Dreher Mfg. Co., 37 Platt St., New York.
Fiske Bros., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
E. H. Kellogg & Co., 243 South St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
F. W. Potts, Newburg, N. Y.
Thompson & Bedford Co., 128 Pearl St., New York.

B. AXLE OILS, WAGON.
Dreher Mfg. Co., 37 Platt St., New York.
Fiske Bros., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
Frank Miller & Son, 349 W. 26th St., New York. *17
Thompson & Bradford Co., 128 Pearl St., New York.

C. COMMERCIAL CASTOR OIL.
Merchants Oil Co., Cleveland, O. *73

D. CYLINDER OILS.
American Oil Co., Providence, R. I.
Atlantic Refining Co., Chestnut & 4th Sts., Philadelphia, Pa.
Binghamton Oil Refining Co., Binghamton, N. Y.
Borne, Scrymser & Co., 80 South St., New York.
Camden Consolidated Oil Co., Wheeling, W. Va.
Cleveland Petrolatum Co., Cleveland, O.
Adam Cook, 313 W. St., New York.
Crew-Levick Co., 113 Arch St., Philadelphia, Pa.
Dreher Mfg. Co., 37 Platt St., New York.
Eagle Refining Co., Cleveland, O.
Eclipse Lubricating Oil Co., Ltd., Franklin, Pa.
Fiske Bros., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Globe Oil Co., Cleveland, O.
Ilsley, Doubleday & Co., 229 Front St., New York.
E. H. Kellogg & Co., 243 South St., New York.
Longman & Martinez, 207 Pearl St., New York.
McKirgan Oil Co., Newark N. J.

Manhattan Oil Co., 51 Front St., New York.
Merchants Oil Co., Cleveland, O. *73
Wm. P. Miller, 100 Greenpoint Av., Brooklyn, N. Y.
A. D. Miller & Sons, Pittsburgh, Pa.
Wm. F. Nye, New Bedford, Mass.
Reed, Hall & Hewlitt, 20 Platt St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
Standard Oil Co., Cleveland, O.
D. A. Stuart & Co., 8 State St., Chicago, Ill.
Swan & Finch, 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Tidewater Oil Co., 12 Broadway, New York.
Troy Belting & Supply Co., Troy, N. Y.
Vacuum Oll Co., Rochester, N. Y.

E. DRILL OILS.
Binghamton Oil Refining Co., Binghamton, N. Y.
Borne, Scrymser & Co., 80 South St., New York.
Fiske Bros., 59 Water St., New York.
Ilsley, Doubleday & Co., 229 Front St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
Thompson & Bedford Co., 128 Pearl St., New York.

F. DYNAMO OILS.
American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Fiske Bros., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
E. H. Kellogg & Co., 243 South St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Wm. F. Nye, New Bedford, Mass.
Reliance Oil and Grease Co., Cleveland, O. *72
Swan & Finch, 151 Maiden Lane, New York.
H. F. Taintor, 281 Pearl St., New York.
Thompson & Bedford Co., 128 Pearl St., New York.

G. ENGINE OILS.
American Oil Co., Providence, R. I.
Atlantic Refining Co., Chestnut & 4th Sts., Philadelphia, Pa.
Binghamton Oil Refining Co., Binghamton, N. Y.
Borne, Scrymser & Co., 80 South St., New York.
Consolidated Tank Line Co., 31 W. Pearl St., Cincinnati, O.
Eagle Refining Co., Cleveland, O.
Fiske Bros., 59 Water St., New York.
Galena Oil Works, Ltd., Franklin, Pa.
Globe Oil Co., Cleveland, O.
Ilsley, Doubleday & Co., 229 Front St., New York.
E. H. Kellogg & Co., 243 South St., New York.
Hiram E. Lutz, 1218 Filbert St., Philadelphia, Pa.
McKirgan Oil Co., Newark, N. J.
Manhattan Oil Co., 51 Front St., New York.
Merchants Oil Co., Cleveland, O. *73
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
A. D. Miller & Sons, Pittsburgh, Pa.
Reed, Hall & Hewlitt, 20 Platt St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
Standard Oil Co., Cleveland, O.
Swan & Finch, 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St. New York.
Tide Water Oil Co , 12 Broadway, New York.
Vacuum Oil Co., Rochester, N .Y.
Whittier, Fuller & Co., San Francisco, Cal.

H. MACHINERY CASTOR OIL.
Merchants Oil Co., Cleveland, O. *73

I. MACHINERY OILS.
American Lubricating Oil Co., Cleveland, O.
American Oil Co., Providence, R. I.
Atlantic Refining Co., Chestnut & 4th Sts., Philadelphia, Pa.
Binghamton Oil Refining Co., Binghamton, N. Y.
Borne, Scrymser & Co., 80 South St., New York.
Brooks Oil Co., Cleveland, O.
Camden Consolidated Oil Co., Wheeling, W. Va.
Cleveland Petrolatum Co., Cleveland, O.
Columbia Refining Co., 18 Broadway, New York.
Consolidated Tank Line Co.. 31 W. Pearl St., Cincinnati, O.
Adam Cook, 313 West St., New York.
Crescent Mfg. Co., Cleveland, O.
Crew-Levick Co., 113 Arch St., Philadelphia, Pa.
Jas. Dazell's Son & Co., Ltd., Pittsburgh, Pa.
Dreher Mfg. Co., 37 Platt St., New York.
Eagle Refining Co., Cleveland, O.

Empire Refining Co., 26 Broadway, New York.
Fiske Bros., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Galena Oil Works, Ltd., Franklin, Pa.
Globe Oil Co., Cleveland, O.
Hoffman Lubricator & Oil Co., Binghamton, N. Y.
E. F. Houghton & Co., 211 S. Front St., Philadelphia, Pa.
Ilsley, Doubleday & Co., 229 Front St., New York.
Iola Oil Works, Pittsburgh, Pa.
E. H. Kellogg & Co., 243 South St., New York.
Leonard & Ellis, 157 Chambers St., New York.
Longman & Martinez, 207 Pearl St., New York.
Hiram E. Lutz, 1218 Filbert St., Philadelphia, Pa.
McKirgan Oil Co., Newark, N. J.
Magee Bros., Milwaukee, Wis.
Manhattan Oil Co., 51 Front St., New York.
Merchants Oil Co., Cleveland, O. *73
Meriam & Morgan Paraffine Co., Cleveland, O.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Wm. F. Nye, New Bedford, Mass.
Pacific Coast Oil Co., San Francisco, Cal.
F. W. Potter, Newburg, N. Y.
Reed, Hall & Hewlitt, 20 Platt St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
Signal Oil Works, Ltd., Franklin, Pa.
Smith & Nichols, 143 Front St., New York.
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
Standard Oil Co., Cleveland, O.
D. A. Stuart & Co., 8 State St., Chicago, Ill.
Swan & Finch, 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Tide Water Oil Co., 12 Broadway, New York.
Troy Belting & Supply Co., Troy, N. Y.
Vacuum Oil Co., Rochester, N. Y.
Waters Pierce Oil Co., Olive & 9th Sts., St. Louis, Mo.
West Virginia Oil Co., Parkersburg, W. Va.

J. RAILWAY OILS.

American Oil Co., Providence, R. I.
Atlantic Refining Co., Chestnut & 4th Sts., Philadelphia, Pa.
Binghamton Oil Refining Co., Binghamton, N. Y.
Consolidated Tank Line Co., 31 W. Pearl St., Cincinnati, O.
Fiske Bros., 59 Water St., New York.
Frazer Lubricator Co., 47 River St., Chicago, Ill.
Ilsley, Doubleday & Co., 229 Front St., New York.
Manhattan Oil Co., 51 Front St., New York.
Swan & Finch, 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Vacuum Oil Co., Rochester, N. Y.

K. RED OIL.

Fiske Bros., 59 Water St., New York.
Harkness, Cowing & Co., Eggleston Av. & 5th St., Cincinnati, O.
Josiah Macy's Sons, 191 Front St., New York.
Manhattan Oil Co., 51 Front St., New York.
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
Tide Water Oil Co., 12 Broadway, New York.

L. SPINDLE OIL.

American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Fiske Bros., 59 Water St., New York.
Manhattan Oil Co., 51 Front St., New York.
Meriam & Morgan Paraffine Co., Cleveland, O.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
Swan & Finch. 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Vacuum Oil Co., Rochester, N. Y.

M. VALVE OILS.

American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Borne, Scrymser & Co., 80 South St., New York.
Eclipse Lubricating Oil Co., Franklin, Pa.
Fiske Bros., 59 Water St., New York.
Ilsley, Doubleday & Co., 229 Front St., New York.
Manhattan Oil Co., 51 Front St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Reed, Hall & Hewlitt, 20 Platt St., New York.
Signal Oil Works, Ltd., Franklin, Pa.
Vacuum Oil Co., Rochester, N. Y.

1928. MINERAL OILS.

American Oil Co., Providence, R. I.
Camden Consolidated Oil Co., Wheeling, W. Va.

Empire Refining Co., Ltd., 26 Broadway, New York.
Maverick Oil Co., 61 Broad St., Boston, Mass.
A. D. Miller & Sons, Pittsburgh, Pa.
Muir Oil Co., Warren, Pa.
Standard Oil Co., Cleveland, O.
Swan & Finch, 151 Maiden Lane, New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Tide Water Oil Co., 12 Broadway, New York.

1929. MUSTARD SEED OIL. Reed, Hall & Hewlitt, 20 Platt St., New York.
Reliance Oil & Grease Co., Cleveland, O. *72
C. L. Stickney, 257 Bowery, New York.

1930. NAPHTHA. Beacon Oil Co., 89 State St., Boston, Mass.
H. W. Jayne Chemical Co., White Hall, Philadelphia, Pa.
Maverick Oil Co., 61 Broad St., Boston, Mass.
McKirgan Oil Co., Newark, N. J.
New York Coal Tar Chemical Co., 10 Warren St., New York.
Standard Oil Co., Cleveland, O.
Tidewater Oil Co., 12 Broadway, New York.

1931. NEATSFOOT OIL. Armour Glue Works, 205 La Salle St., Chicago, Ill.
Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Brooks Oil Co., Cleveland, O.
John Bullock & Son, Baltimore, Md.
Davis Oil Co., 424 Produce Exchange, New York.
Manhattan Oil Co., 51 Front St., New York.
Michigan Carbon Works, Detroit, Mich.
F. O. Pierce & Co., 170 Fulton St., New York.
Swan & Finch, 151 Maiden Lane, New York.
Williamsport Soap Works, Ltd., Williamsport, Pa.

1932. OLEOMARGARINE OIL. John Reardon & Sons, 69 S. Market St., Boston, Mass.

1933. PARAFFINE OIL. Hiram E. Lutz, 1218 Filbert St., Philadelphia, Pa.
Meriam & Morgan Paraffine Co., Cleveland, O.
Tidewater Oil Co., 12 Broadway, New York.

1934. PETROLEUM, CRUDE. Acme Oil Co., 26 Broadway, New York.
Anchor Oil Co., Bradford, Pa.
Beacon Oil Co., 89 State St., Boston, Mass.
Bradford Oil Co., Bradford, Pa.
F. H. Chapman, Bradford, Pa.
E. O. Emerson, Titusville, Pa.
Enterprise Transit Co., Bradford, Pa.
John Fertig, Titusville, Pa.
Hazlewood Oil Co., Pittsburgh, Pa.
R. Jennings & Son, Bradford, Pa.
J. T. Jones, Bradford, Pa.
Wm. C. Kennedy, Bradford, Pa.
D. McKelvy & Co., Titusville, Pa.
John McKeown, Bradford, Pa.
McKinny Bros., Titusville, Pa.
James Mawhinney, Oil City, Pa.
National Oil Co., Ltd., Titusville, Pa.
John Potts, Bradford, Pa.
Potts, Potter & Thompson, Bradford, Pa.
Quintuple Oil Co., Bradford, Pa.
Rice & Robinson, Titusville, Pa.
P. W. Roth, Bradford, Pa.
Shirley & Hochstetter, Bradford, Pa.
Standard Oil Co., Cleveland, O.
Milton Stewart, Titusville, Pa.
T. P. Thompson, Bradford, Pa.
Tidewater Oil Co., 12 Broadway, New York.
Treat & Mallory, Bradford, Pa.
Union Oil Co., Buffalo, N. Y.
Vandergrift, Young & Co., Oil City, Pa.
Western Refining Co., Titusville, Pa.

1935. RAPE SEED OIL. Reed, Hall & Hewlitt, 20 Platt St., New York.

1936. RESTORATIVE OIL. U. S. Gutta Percha Paint Co., Providence, R. I.

1937. ROPE OIL. Binghamton Oil Refining Co., Binghamton, N. Y.
Crew-Levick Co., 113 Arch St., Philadelphia, Pa.
Fiske Bros., 59 Water St., New York.
David J. Ogilvy, Gest. & C. H. & D. R. R., Cincinnati, O.
Thompson & Bedford Co., 128 Pearl St., New York.

1938. SPERMACETI. W. A. Robinson & Co., New Bedford, Mass.

1939. SPERM OIL. American Oil Co., Providence, R. I.
Artic Oil Works, San Francisco, Cal.
Borne, Scrymser & Co., 80 South St., New York.
Geo. Delanos' Sons, New Bedford, Mass.
Josiah Macy's Sons, 191 Front St., New York.

Manhattan Oil Co., 51 Front St., New York.
Wm. F. Nye, New Bedford, Mass.
W. A. Robinson & Co., New Bedford, Mass.
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.

1940. STEARINE.

American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Burckhardt & Co., 101 Sycamore St., Cincinnati, O.
Colgate & Co., 55 John St., New York.
Davis Oil Co., 424 Produce Exchange, New York.
Emery Candle Co., 35 W. 4th St., Cincinnati, O.
Manhattan Oil Co., 51 Front St., New York.
T. M. Sinclair Co., Cedar Rapids, Iowa.
Union Oil Co., Providence, R. I.

1941. TALLOW.

Armour Packing Co., Kansas City, Mo.
Calumet Canning Co., Chicago, Ill. *84
Cincinnati Desiccating Co., United Bank Bldg., Cincinnati, O.
Colgate & Co., 55 John St., New York.
Dreher Mfg. Co., 37 Platt St., New York.
Harkness, Cowing & Co., Eggleston Av. & 5th St., Cincinnati, O.
John Reardon & Sons, 60 S. Market St., Boston, Mass.
Geo. Shillito, Jr., & Co., 158 Findlay St., Cincinnati, O.
Amor Smith & Co., John & Poplar Sts., Cincinnati, O.
John P. Squire & Co., E. Cambridge, Mass.
Swan & Finch, 151 Maiden Lane, New York.
N. Ward Co., 448 Federal St., Boston, Mass.
Welch, Holme & Clark, 382 West St., New York.
White's Golden Lubricator Co., 233 Walnut St., Cincinnati, O.

A. TALLOW OIL.

Davis Oil Co., 424 Produce Exchange, New York.
N. K. Fairbank & Co., 62 Wabash Ave., Chicago, Ill.
A. G. Harbaugh & Co., Cleveland, O.
Manhattan Oil Co., 51 Front St.. New York.
John P. Squire & Co., East Cambridge, Mass.
W. & H. Walker, Pittsburgh, Pa.
Woodlawn Dairy Co., Pawtucket, R. I.

1942. WHALE OIL.

Arctic Oil Works, San Francisco, Cal.
Geo. Delanos' Sons, New Bedford, Mass.
Josiah Macy's Sons, 191 Front St., New York.
Manhattan Oil Co., 51 Front St., New York.
W. A. Robinson & Co., New Bedford, Mass.
Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.

1943. WOOL OIL.

American Oil Co., Providence, R. I.
Binghamton Oil Refining Co., Binghamton, N. Y.
Borne, Scrymsen & Co., 80 South St., New York.
Columbia Refining Co., 18 Broadway, New York.
Crew-Levick Co., 113 Arch St., Philadelphia, Pa.
Eclipse Lubricating Oil Co., Franklin, Pa.
Fiske Bros., 59 Water St., New York.
E. F. Houghton & Co., 211 S. Front St., Philadelphia, Pa.
Ilsley, Doubleday & Co., 229 Front St., New York.
Thompson & Bedford Co., 128 Pearl St., New York.
Troy Belting & Supply Co., Troy, N. Y.
D. A. Stuart & Co., 8 State St., Chicago, Ill.

XXIX. PAINTS AND COLORS.

1944. BLACKS.

A. DROP BLACK.

A. B. Ansbacher & Co., 4 Murray St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

B. GAS BLACK.

L. Martin & Co., 226 Walnut St., Philadelphia, Pa.
Nolen & Boardman, 5 Beekman St., New York.
Rubber Paint Co., 90 Nassau St., New York.

C. IVORY BLACK.

Essex Paint Works, Essex, Conn.
Michigan Carbon Works, Detroit, Mich.
Rubber Paint Co., 90 Nassau St., New York.

D. LAMP BLACK.

D. F. Tiemann & Co., 44 W. Broadway, New York.
Bihn & Co., Ash & Almond Sts., Philadelphia, Pa.
Samuel Cabot, 70 Kilby St., Boston, Mass.
Longman & Martinez, 207 Pearl St., New York.
L. Martin & Co., 226 Walnut St., Philadelphia, Pa.
Peerless Carbon Black Co., Ltd., Ludlow, Pa.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

1945. BRONZE POWDERS.

American Bronze Powder Mfg. Co., 6 Murray St., New York.
Gerstendorfer Bros., 17 Barclay St., New York.
Hastings & Co., 821 Filbert St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.

1946. BRONZE POWDER LIQUID.

F. O. Pierce & Co., 170 Fulton St., New York.
Leopold Wallan, 197 Pearl St., New York.

1947. COLORS.

A. AGRICULTURAL COLORS.

S. Adler's Sons, 197 Pearl St., New York.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
A. B. Ansbacher & Co., 4 Murray St., New York.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Rubber Paint Co., 90 Nassau St., New York.
Seeley Bros., 32 Burling Slip, New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.

B. ARTISTS' DRY COLORS.

S. Adler's Sons, 197 Pearl St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
J. Marsching & Co., 76 5th Ave., Chicago, Ill.
C. T. Raynolds & Co., 106 Fulton St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.

C. ARTISTS' TUBE COLORS.

F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
J. Marsching & Co., 76 5th Av., Chicago, Ill.
C. T. Raynolds & Co., 106 Fulton St., New York.
Edw. Smith & Co., 147 Times Building, New York.
Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
F. Weber & Co., 1125 Chestnut St., Philadelphia, Pa.

D. CAR & COACH COLORS.

Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Billings, Taylor & Co., Cleveland, O.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
Fenton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
B. L. James Mercantile & Mfg. Co., Denver, Col.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
W. W. Lawrence & Co., Pittsburgh, Pa.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Peninsular White Lead & Color Works, Detroit, Mich.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Seeley Bros., 32 Burling Slip, New York.
Sherwin-Williams Co., Cleveland, O.
Edw. Smith & Co., 147 Times Building, New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Valentine & Co., 245 Broadway, New York.
Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
A. Wilhelm & Co., Reading, Pa.

E. CERAMIC COLORS.

Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
J. Marsching & Co., 76 5th Av., Chicago, Ill.
Roessler & Hasslacher, 73 Pine St., New York.

F. CHROMO PHOTOGRAPH COLORS.

F. W. Devoe & Co., 101 Fulton St., New York.
Peninsular White Lead & Color Works, Detroit, Mich.
C. T. Raynolds & Co., 106 Fulton St., New York.
Homer Worden & Co., 228 E. 24th St., New York.

G. DECORATORS' COLORS.

Acme White Lead & Color Works, Detroit, Mich.
S. Adler's Sons, 197 Pearl St., New York.
Longman & Martinez, 207 Pearl St., New York.

John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
U. S. Gutta Percha Paint Co., Providence, R. I.

H. DISTEMPER COLORS.
Acme White Lead & Color Works, Detroit, Mich.
S. Adler's Sons, 197 Pearl St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

I. DRY COLORS.
S. Adler's Sons, 197 Pearl St., New York.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
A. B. Ansbacher & Co., 4 Murray St., New York.
Atlantic Color Works, 165 William St., New York.
Ault & Wiborg Co., foot New St., Cincinnati, O.
Herman Behr, 75 Beekman St., New York.
Billings, Taylor & Co., Cleveland, O.
F. W. Devoe & Co., 101 Fulton St., New York.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
Essex Paint Works, Essex, Conn.
Ferric Chemical & Color Co., Worcester, Mass.
Harrison Bros. & Co., 3515 Gray's Ferry Road, Phila., Pa.
Iron Clad Paint Co., Cleveland, O.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mound City Paint & Color Co., 406 N. 2d St., St. Louis, Mo.
Peninsular White Lead & Color Works, Detroit, Mich.
C. T. Raynolds & Co., 106 Fulton St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Walpole Dye & Chemical Works, Milk St., Boston, Mass.

J. FLITTERS.
American Bronze Powder Mfg. Co., Verona, N. J.

K. FRESCO COLORS.
Acme White Lead & Color Works, Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Dry Kalsomine & Fres. Paint Wks., 25 John St., Brooklyn, N. Y.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
C. T. Raynolds & Co., 106 Fulton St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

L. GRAINING COLORS.
Detroit White Lead Works, Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
B. L. James Mercantile & Mfg. Co., Denver, Col.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

M. HAM CANVAS COLORS.
S. Adler's Sons, 197 Pearl St., New York.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
John Lucas & Co., 141 W. 4th St., Philadelphia, Pa.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.

N. JAPAN COLORS.
Acme White Lead & Color Works, Detroit, Mich.
Chilton Mfg. Co., 147 Fulton St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Hampden Paint & Chemical Co., Springfield, Mass.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mound City Paint & Color Co., 406 N. 2d St., St. Louis, Mo.
C. T. Raynolds & Co., 106 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

O. MARBLEIZERS' COLORS.
F. W. Devoe & Co., 101 Fulton St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
D. F. Tiemann & Co., 44 W. Broadway, New York.

P. MOIST WATER COLORS.
F. W. Devoe & Co., 101 Fulton St., New York.

C. T. Raynolds & Co., 106 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Homer Worden & Co., 228 E. 24th St., New York.

Q. MORTAR COLORS.
Samuel Cabot, 70 Kilby St., Boston, Mass.
D. L. Clemets & Co., Cleveland, O.
Clinton Metallic Paint Co., Clinton, N. Y.
Samuel H. French & Co., 4th & Callowhill Sts., Philadelphia, Pa.
Rubber Paint Co., 90 Nassau St., New York.
Toch Bros., 35 Bowery, New York.
Calvin Tomkins, 150 Broadway, New York.

R. OIL COLORS.
Acme White Lead & Color Works, Detroit, Mich.
S. Adler's Sons, 197 Pearl St., New York.
Allentown Mfg. Co., Allentown, Pa.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
John Babcock & Co., 104 Water St., Boston, Mass.
Chas. M. Childs & Co., 225 Pearl St., New York.
Chilton Mfg. Co., 147 Fulton St., New York.
Coit & Co., 33 W. Washington St., Chicago, Ill.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
B. L. James Mercantile Mfg. Co., Denver, Col.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John T. Lewis & Bros. Co., 231 S. Front St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mound City Paint & Color Co., 406 N. 2d St., St. Louis, Mo.
National Paint Works, Williamsport, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Seeley Bros., 32 Burling Slip, New York.
Senour Mfg. Co., 2520 Quarry St., Chicago, Ill.
Sherwin, Williams & Co., Cleveland, O.
D. F. Tiemann & Co., 44 W. Broadway, New York.
U. S. Gutta Percha Paint Co., Providence, R. I.
Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

S. PAPER MAKERS' COLORS.
S. Adler's Sons, 197 Pearl St., New York.
Hampden Paint & Chemical Co., Springfield, Mass.
Hecla Chemical Works, Springfield, Mass.
John Lucas & Co., 141 N. 4th St , Philadelphia, Pa.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Walpole Dye & Chemical Works, 117 Milk St., Boston, Mass.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

T. PULP COLORS.
S. Adler's Sons, 197 Pearl St., New York.
A. B. Ansbacher & Co., 4 Murray St., New York.
Atlantic Color Works, 165 William St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Rubber Paint Co., 90 Nassau St , New York.
Savage & Stovell, Frankford, Philadelphia, Pa.
D. F. Tiemann & Co., 44 W. Broadway, New York.

U. SCENE PAINTERS' DRY COLORS.
S. Adler's Sons, 197 Pearl St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
John Lucas & Co., 89 Maiden Lane, New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

V. WAX FLOWER COLORS.
F. W. Devoe & Co., 101 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

1948. KALSOMINE.
Coit & Co., 33 W. Washington St., Chicago, Ill.
Dry Kalsomine & Fres. Paint Works, 25 John St., Brooklyn, N. Y.
Samuel H. French & Co., 4th & Callowhill Sts., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
Mound City Paint & Color Co., 406 N. 2d St., St. Louis, Mo.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Phillips & Ferguson, 48 Beekman St., New York.
Starks, Edson & Co., Westminster Sta'n, Vt.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

1949. LEADS.
A. COACH MAKERS' LEAD.
Beymer & Bauman Lead Co., 91 5th Av., Pittsburgh, Pa

B. GLASS MAKERS' LEADS.
Atlantic White Lead & Linseed Oil Co., 287 Pearl St., New York.
Beymer & Bauman Lead Co., 91 5th Av., Pittsburgh, Pa.

C. LITHARGE.
Anchor White Lead Co., 97 Eggleston Av., Cincinnati, O.
Atlantic White Lead & Linseed Oil Co., 287 Pearl St., New York.
Beymer & Bauman Lead Co., 91 5th Av., Pittsburgh, Pa.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
F. W. Devoe & Co., 101 Fulton St., New York.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
Eckstein White Lead Co., 7th St. & Freeman Av., Cincinnati, O.
Fahnestock White Lead Co., Pittsburgh, Pa.
John T. Lewis & Bros., 231 S. Front St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
J. H. Morley Lead Co., Cleveland, O.
National Lead & Oil Co. of New York, 28 Burling Slip, New York.
T. H. Nevin Co., Pittsburgh, Pa.
Rubber Paint Co., 90 Nassau St., New York.
Southern White Lead Co., Lombard & Main Sts., St. Louis, Mo.
Wetherill & Bro., S. 30th & Chestnut Sts., Philadelphia, Pa.
A. Wilhelm & Co., Reading, Pa.

D. RED LEAD.
Anchor White Lead Co., 67 Eggleston Av., Cincinnati, O.
Atlantic White Lead & Linseed Oil Co., 287 Pearl St,, New York.
Beymer & Bauman Lead Co., 91 Fifth Av., Pittsburgh, Pa.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis. Mo.
Davis-Chambers Lead Co., Pittsburgh, Pa.
F. W. Devoe & Co., 101 Fulton St., New York.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
Eckstein White Lead Co., 7th St. & Freeman Av., Cincinnati, O.
Fahnestock White Lead Co., Pittsburgh, Pa.
John T. Lewis & Bros. Co., 231 S. Front St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
J. H. Morley Lead Co., Cleveland, O.
National Lead & Oil Co. of N. Y., 28 Burling Slip, New York.
T. H. Nevin Co., Pittsburgh, Pa.
C. T. Raynolds & Co., 106 Fulton St., New York.
Southern White Lead Co., Lombard & Main Sts., St. Louis, Mo.
Wetherill & Bro., S. 30th & Chestnut Sts., Philadelphia, Pa.
A. Wilhelm & Co., Reading, Pa.

E. TINTED LEADS.
Acme White Lead & Color Works, Detroit, Mich.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Anchor White Lead Co., 97 Eggleston Ave., Cincinnati, O.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Carter White Lead Co., Omaha, Neb.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
Harrison Bros. & Co., 3515 Gray's Ferry Rd., Philadelphia, Pa.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
B. L. James Mercantile & Mfg. Co., Denver, Col.
Lincoln Paint & Color Co., Lincoln, Neb.
T. H. Nevin Co., Pittsburgh, Pa.
Pacific Oil & Lead Works, San Francisco, Cal.
Peninsular White Lead & Color Works, Detroit, Mich.
Pennsylvania White Lead Co., Pittsburgh, Pa.
Senour Mfg. Co., 2520 Quarry St., Chicago, Ill.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

F. VARNISH MAKERS' LEAD.
Beymer & Bauman Lead Co., 91 Fifth Av., Pittsburgh, Pa.

G. WHITE LEAD.
American White Lead Co., Louisville, Ky.
Anchor White Lead Co., 97 Eggleston Av., Cincinnati, O.
Armstrong & McKelvy, Pittsburgh, Pa.
Atlantic White Lead & Linseed Oil Co., 287 Pearl St., New York.
Beymer & Bauman Lead Co., 91 Fifth Av., Pittsburgh, Pa.
Bradley White Lead Co., 117 York St., Brooklyn, N. Y.
Brooklyn White Lead Co., 174 Front St., Brooklyn, N. Y.
Collier White Lead & Oil Co.,Clark Av.& 10th St.,St. Louis, Mo.
S. G. Cornell & Sons, Buffalo, N. Y.
Davis-Chambers Lead Co., Pittsburg, Pa.
Eckstein White Lead Co., 7th St. & Freeman Av., Cincinnati, O.
Fahnestock White Lead Co., Pittsburgh, Pa.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Jewett & Sons, 28 Burling Slip, New York.
Kentucky Co., Louisville, Ky.

John T. Lewis & Bros., 231 Front St., Philadelphia, Pa.
Maryland White Lead Co., Baltimore, Md.
J. H. Morley Lead Co., Cleveland, O.
McBirney & Johnston Co., Chicago, Ill.
St. Louis Lead & Oil Co., 2d St. cor. Cass Av., St. Louis, Mo.
Salem Lead Co., Salem, Mass.
D. B. Shipman, 1510 State St., Chicago, Ill.
Southern White Lead Co., Lombard & Main Sts., St. Louis, Mo.
Ulster Lead Co., Saugerties, N. Y.
Union White Lead Mfg. Co., New York.
Western White Lead Co., 1801 Hancock St., Philadelphia, Pa.

1950. LEAF METAL.

A. GOLD LEAF.

Henry Auer, 1046 Ridge Av., Philadelphia, Pa.
Hastings & Co., 821 Filbert St., Philadelphia, Pa.
W. H. Kemp, 178 Hudson St., New York.
Henry Nelms & Son, 48 N. 7th St., Philadelphia, Pa.
J. M. Ney & Co., Hartford, Conn.
Schultz & Co., 25 St. Marks Place, New York.
Valleau Mfg. Co., 506 Broome St., New York.

B. SILVER LEAF.

Schultz & Co., 25 St. Marks Place, New York.

1951. OCHRE.

Enos Adams & Co., Bennington, Vt.,
Bermuda Ochre Co., Bermuda Hundred, Va.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
D. F. Tiemann & Co., 44 W. Broadway, New York.
A. Wilhelm & Co., Reading, Pa.
C. K. Williams & Co., Easton, Pa.

1952. ORANGE MINERAL.

Atlantic White Lead & Linseed Oil Co.,287 Pearl St.,New York.
Beymer & Bauman Lead Co., 91 5th Av., Pittsburgh, Pa.
F. W. Devoe & Co., 101 Fulton St., New York.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
John T. Lewis & Bros. Co., 231 S. Front St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Wetherill & Bro., S. 30th & Chestnut Sts., Philadelphia, Pa.

1953. PAINTS.

A. ACID PROOF PAINTS.

Bridgeport Wood Finishing Co., New Milford, Conn.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Standard Paint Co., 2 Liberty St., New York.

B. BARREL PAINTS.

Fernoline Chemical Co., 18 Broadway, New York.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Long Island Paint & Color Works, 26 Broadway, New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Standard Paint & Color Works, Pittsburgh, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

C. BRIDGE PAINTS.

Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Chilton Mfg. Co., 147 Fulton St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
Rubber Paint Co., 90 Nassau St., New York.
Standard Paint Co., 2 Liberty St., New York.
Troy Paint & Color Works, Troy, N. Y.
U. S. Gutta Percha Paint Co., Providence, R. I.
Vane-Calvert Paint Co., 201 Randolph St., Chicago, Ill.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

D. BRONZE PAINTS.

F. W. Devoe & Co., 101 Fulton St., New York.
Gerstendorfer Bros., 17 Barclay St., New York.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Wm. T. Lindeman & Co., 1400 Frankford Av., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th Street, Philadelphia, Pa.
J. Marsching & Co., 76 5th Av., Chicago, Ill.
H. Nelms & Son, 48 N. 7th St., Philadelphia, Pa.
C. T. Raynolds & Co., 106 Fulton St., New York.
Roessler & Hasslacher, 73 Pine St., New York.
A. Sartorius & Co., 28 Barclay St., New York.
Standard Paint Co., 2 Liberty St., New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

E. CARRIAGE PAINTS.

Acme White Lead & Color Works, Detroit, Mich.

Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Coit & Co., 33 W. Washington St., Chicago, Ill.
Detroit White Lead Works, Detroit, Mich.
F.W. Devoe & Co., 101 Fulton St., New York.
Hallack Paint, Oil & Glass Co., Denver, Col.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
B. L. James Mercantile & Mfg. Co., Denver, Col.
Lincoln Paint & Color Co., Lincoln, Neb.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
Platt & Thornburgh, 620 Franklin Av., St. Louis, Mo.
Rubber Paint Co., 90 Nassau St., New York.
Seeley Bros., 32 Burling Slip, New York.
Troy Paint & Color Works, Troy, N. Y.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

F. COPPER PAINTS.
F. W. Devoe & Co., 101 Fulton St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
New Jersey Paint Works, Jersey City, N. J.
F. O. Pierce & Co., 170 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Tarr & Wonson, E. Gloucester, Mass.
Vane-Calvert Paint Co., 201 Randolph St., Chicago, Ill.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

G. ELASTIC PAINTS.
Rubber Paint Co., 90 Nassau St., New York.
Standard Paint Co., 2 Liberty St., New York.
U. S. Gutta Percha Paint Co., Providence, R. I.

H. ENAMEL PAINTS.
F. W. Devoe & Co., 101 Fulton St., New York.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 76 9th St., Brooklyn, N. Y.
Rubber Paint Co., 90 Nassau St., New York.

I. FIRE PROOF PAINTS.
Heath & Mulligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John Lucas & Co., 141 N. 4th St,, Philadelphia, Pa.
Martin Process Fire Proof P. Co., 162 W. 27th St., New York.
Starks, Edson & Co., Westminster Sta'n, Vt.

J. FLOOR PAINTS.
Acme White Lead & Color Works, Detroit, Mich.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
F. W. Devoe & Co., 101 Fulton St., New York.
Fernoline Chemical Co., 18 Broadway, New York.
Hallack Paint, Oil & Glass Co., Denver, Col.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
John Lucas & Co., 141 N. 4th St., Philadelphia. Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Seeley Bros., 32 Burling Slip, New York.
Senour Mfg. Co,, 2520 Quarry St., Chicago, Ill.
Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

K. GAS HOLDER PAINT.
Fernoline Chemical Co., 18 Broadway, New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
Rubber & Paint Co., 90 Nassau St., New York.
Standard Paint Co., 2 Liberty St., New York.

L. IRON PAINTS.
Atlas Paint Co., Pittsburgh, Pa.
Chattanooga Paint Co., Chattanooga, Tenn.
Cleveland Iron Ore Paint Co., Cleveland, O.
F. W. Devoe & Co., 101 Fulton St., New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Ilsley, Doubleday & Co., 229 Front St., New York.
Iron Clad Paint Co., Cleveland, O.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Missouri Iron Roofing & Corru. Co., 1505 S. 2d St., St. Louis, Mo.
T. H. Nevin Co., Pittsburgh, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
E. Smith & Co., 147 Times Building, New York.
Standard Paint Co., 2 Liberty St., New York.

D. F. Tiemann & Co., 44 W. Broadway, New York.
Vane-Calvert Paint Co., 201 Randolph St., Chicago, Ill.
Wheeling Corrugating Co., Wheeling, W. Va. *46
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

M. IRON ROOF PAINTS.

F. W. Devoe & Co., 101 Fulton St., New York.
Heath & Milligan Mfg. Co., 170 Randolph St,, Chicago, Ill. *71
Ilsley, Doubleday & Co., 229 Front St., New York.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince Mfg. Co , 71 Maiden Lane, New York.
Rubber Paint Co., 90 Nassau St., New York.
Standard Paint Co., 2 Liberty St., New York.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

N. LIQUID PAINTS.

Chilton Mfg. Co., 147 Fulton St., New York.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
Heath & Milligan Mfg. Co., 170 Randolph St,, Chicago, Ill. *71
H. W. Johns Mfg. Co., 87 Maiden Lane, N. Y.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadeiphia, Pa.
Mound City Paint & Color Co., 406 N. 2nd St., St. Louis, Mo.
F. A. Nevin Co., Pittsburgh, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Standard Paint Co., 2 Liberty St., New York.
U. S. Gutta Percha Paint Co., Providence, R. I.
Vane Calvert Paint Co., 201 Randolph St., Chicago, Ill.
A. Wilhelm & Co., Reading,. Pa.

O. LUSTRE PAINTS.

F. W. Devoe & Co., 101 Fulton St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
E. A Woolsey Paint & Color Co., Jersey City, N. J.

P. METALLIC PAINTS.

Atlas Paint Co., Pittsburgh, Pa.
Clinton Metallic Paint Co., Clinton, N. Y.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
F. W. Devoe & Co., 101 Fulton St., New York.
Garry Iron & Steel Roofing Co., 152 Merwin St.,Cleveland,O. *44
Hallack Paint, Oil & Glass Co., Denver, Col.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Iron Clad Paint Co., Cleveland, O.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince's Metallic Paint Co., 77 Maiden Lane, New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
Rubber Paint Co., 90 Nassau St., New York.
Rutherford & Barclay, 517 Drexel Bldg., Philadelphia, Pa.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A Woolsey Paint & Color Co., Jersey City, N. J.

Q. MIXED PAINTS.

Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Billings. Taylor & Co., Cleveland, O.
Bridgeport Wood Finishing Co., New Milford, Conn.
Burgess, Fobes & Co., Portland, Me.
H. H. Clark & Co., Mendota, Ill.
Crescent Paint Co., Cleveland, O.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
Detroit White Lead Works, Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Druid Felt Co., Baltimore, Md.
Eagle White Lead Co., 20 Spring St., Cincinnati, O.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphla, Pa.
Fernoline Chemical Co., 18 Broadway, New York.
Saml. H. French & Co., 4th & Callowhill Sts., Philadelphia, Pa.
Hallack Paint, Oil & Glass Co., Denver, Col.
F. Hammar Paint Co., 3d & Cedar Sts., St. Louis, Mo.
Hampden Paint & Chemical Co., Springfield, Mass.
Harrison Bros. & Co., 3515 Gray's Ferry Road, Phila., Pa.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Heller & Merz Co., 55 Maiden Lane, New York.
Chas. H. Howell & Co., 212 Race St., Philadelphia, Pa.
Iron Clad Paint Co., Cleveland, O.
B. L. James Mercantile & Mfg. Co., Denver, Col.

H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Lincoln Paint & Color Co., Lincoln, Neb.
Wm. T. Lindeman & Co., 1400 Frankford Av., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Chas. Moser & Co., Cincinnati, O.
Mound City Paint & Color Co., 406 N. 2d St., St. Louis, Mo.
A. M. Nelson Paint Co., 701 N. 2d St., St. Louis, Mo.
T. H. Nevin Co., Pittsburgh, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Peninsular White Lead & Color Works, Detroit, Mich.
F. O. Pierce & Co., 170 Fulton St., New York.
Wm. B. Price Mfg. Co., Baltimore, Md.
C. T. Raynolds & Co., 106 Fulton St., New York.
St. Paul White Lead & Oil Co., St. Paul, Minn.
Seeley Bros., 32 Burling Slip, New York.
Robt. Shoemaker & Co., 201 N. 4th St., Philadelphia, Pa.
Standard Paint Co., 2 Liberty St., New York.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Toch Bros., 35 Bowery, New York.
Troy Paint & Color Works, Troy, N. Y.
Truslow & Co., 219 Pearl St., New York.
U. S. Gutta Percha Paint Co., Providence, R. I.
Vane-Calvert Paint Co., 201 Randolph St., Chicago, Ill.
Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
Walker Paint Co., 152 W. Court St., Cincinnati, O.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey, Jersey City, N. J.

R. PASTE FORM PAINTS.
F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Iron Clad Paint Co., Cleveland, O.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
John W. Masury & Son, Bennett Building, New York.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

S. PRESERVATIVE PAINTS.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Standard Paint Co., 2 Liberty St., New York.

T. RAILROAD PAINTS.
F. W. Devoe & Co., 101 Fulton St., New York.
Fernoline Chemical Co., 18 Broadway, New York.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
Rubber Paint Co., 90 Nassau St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

U. ROOF PAINTS.
Chilton Mfg. Co., 147 Fulton St., New York.
F. W. Devoe & Co., 101 Fulton St., New York.
Jos. Dixon Crucible Co., Jersey City, N. J.
Druid Felt Co., Baltimore, Md.
Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
Fernoline Chemical Co., 18 Broadway, New York.
Hallack Paint, Oil & Glass Co., Denver, Col.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Ilsey, Doubleday & Co., 229 Front St., New York.
B. L. James Mercantile & Mfg. Co., Denver, Col.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
John W. Masury & Son, Bennett Building, New York.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
Rubber Paint Co., 90 Nassau St., New York.
Seeley Bros., 32 Burling Slip, New York.
Standard Paint Co., 2 Liberty St., New York.
Troy Paint & Color Works, Troy, N. Y.
U. S. Gutta Percha Paint Co., Providence, R. I.
Vane-Calvert Paint Co., 201 Randolph St., Chicago, Ill.

Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
A. Wilhelm & Co., Reading, Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

V. SHIP PAINTS.
F. W. Devoe & Co., 101 Fulton St., New York.
Essex Paint Works, Essex, Conn.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
Rubber Paint Co., 90 Nassau St., New York.
Tarr & Wonson, E. Gloucester, Mass.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

W. TRANSPARENT PAINTS.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
John Lucas & Co., 141 North 4th St., Philadelphia, Pa.
Wolff & Randolph, 933 N. Front St., Philadelphia, Pa.

1954. PARIS WHITE.
Phillips & Ferguson, 48 Beekman St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

1955. PLASTER FINISH.
Anti-Kalsomine Co., Grand Rapids, Mich.

1956. PRESERVATIVE COATING.
American Wood Pressing Co., 204 N. 3rd St., St. Louis, Mo.
Carolina Oil & Creosote Co., Wilmington, N. C.
Chicago Tie-Preserving Co., 15th and Clark Sts., Chicago, Ill.
Fernoline Chemical Co., 18 Broadway, New York.
Lehigh Valley Creosoting Works, Perth Amboy, N. J.
Preservaline Mfg. Co., 23 Cedar St., New York.
Edward Smith & Co., 147 Times Building, New York.
Standard Paint Co., 2 Liberty St., New York.

1957. PUTTY.
Acme White Lead & Color Works, Detroit, Mich.
E. S. Belknap's Son, 8 Gold St., New York.
ChicagoWhite Lead & Oil Co., N. Greene & Fulton Sts., Chicago, Ill.
F. W. Devoe & Co., 101 Fulton St., New York.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
Samuel H. French & Co., 4th & Callowhill Sts., Philadelphia, Pa.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Chas. H. Howell & Co., 212 Race St., Philadelphia, Pa.
B. L. James Mercantile & Mfg. Co., Denver, Col.
W. W. Lawrence & Co., Pittsburgh, Pa.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
J. W. McSherry Putty Co. Dayton, O.
A. M. Nelson Paint Co., 701 N. 2d St., St. Louis, Mo.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Phillips & Ferguson, 48 Beekman St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
St. Paul White Lead & Oil Co., St. Paul, Minn.
D. F. Tiemann & Co., 44 W. Broadway, New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

A. STOVE PUTTY
C. W. Hart, Troy, N. Y.
S. Obermayer Fdry. Sup. Co., Evans S. of 8th St., Cincinnati, O. *54
Troy Paint & Color Works, Troy, N. Y.

195 . RED OXIDES.
Chattanooga Paint Co., Chattanooga, Tenn.
Clinton Metallic Paint Co., Clinton, N. Y.
Ferric Chemical & Color Co., Worcester, Mass.
Iron Clad Paint Co., Cleveland, O.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Prince Mfg. Co., 71 Maiden Lane, New York.
D. F. Tieman & Co., 44 W. Broadway, New York.

1959. ROUGH STUFF.
F. W. Devoe & Co., 101 Fulton St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

1960. SMALTS.
Longman & Martinez, 207 Pearl St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.

1961. STAINS.

A. CREOSOTE STAINS.
Samuel Cabot, 70 Kilby St., Boston, Mass.

B. WATER STAINS.
J. C. Bowe, 36 E. Genesee St., Syracuse, N. Y.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
C. A. Woolsey Print & Color Co., Jersey City, N. J.

C. WOOD STAINS.
Acme White Lead & Color Works, Detroit, Mich.
Billings, Taylor & Co., Cleveland, O.
J. C. Bowe, 36 E. Genesee St., Syracuse, N. Y.
Bridgeport Wood Finishing Co., New Milford, Conn.
Chicago Wood Finishing Co., 259 Elston Av., Chicago, Ill.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Dexter Bros., 55 Broad St., Boston, Mass.

Hallack Paint, Oil & Glass Co., Denver, Col.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Wm. T. Lindeman & Co., 1400 Frankford Av., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
Pratt & Lambert, 47 John St., New York.
Walpole Dye & Chemical Co., 117 Milk St., Boston, Mass.
C. A. Woolsey Print & Color Co., Jersey City, N. J.
Wm. Zinsser & Co., 197 William St., New York.

1962. ULTRAMARINES.
A. B. Ansbacher & Co., 4 Murray St., New York.
Heller & Merz Co., Newark, N. J.
International Ultramarine Works, Ltd., Westfield, S. I., N. Y.
D. F. Tiemann & Co., 44 W. Broadway, New York.

1963. VENETIAN REDS.
Ferric Chemical & Color Co., Worcester, Mass.
Longman & Martinez, 207 Pearl St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.

1964. VERMILLION, ENGLISH.
C. T. Raynolds & Co., 106 Fulton St., New York.

1965. WHITING.
Phillips & Ferguson, 48 Beekman St., New York.
H. F. Taintor, 281 Pearl St., New York.
Truslow & Co., 219 Pearl St., New York.

1966. WOOD FILLERS.
Acme White Lead & Color Works, Detroit, Mich.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
John Babcock & Co., 104 Water St., Boston, Mass.
Bridgeport Wood Finishing Co., New Milford, Conn.
Chicago Wood Finishing Co., 259 Elston Av., Chicago, Ill.
Currey Mfg. Co., 211 S. Clinton St., Chicago, Ill.
Detroit White Lead Works, Detroit, Mich.
F. W. Devoe & Co., 101 Fulton St., New York.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
Hallack Paint, Oil & Glass Co., Denver, Col.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
Charles H. Howell & Co., 212 Race St., Philadelphia, Pa.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Lincoln Paint & Color Co., Lincoln, Neb.
Wm. T. Lindeman & Co., 1400 Frankford Av., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
Modoc Tripoli Mining Co., 74 Johnston Building, Cincinnati, O.
Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.
Mound City Paint & Color Co., 206 N. 2d St., St. Louis, Mo.
Pratt & Lambert, 47 John St., New York.
Rogers & Pyatt, 80 Maiden Lane, New York.
Senour Mfg. Co., 2520 Quarry St., Chicago, Ill.
Star Finishing Co., Dayton, O.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

1967. ZINC WHITE.
Alston Mfg. Co., 212 Randolph St., Chicago, Ill.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Heath & Milligan Mfg. Co., 170 Randolph St., Chicago, Ill. *71
F. O. Pierce & Co., 170 Fulton St., New York.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Troy Paint & Color Works, Troy, N. Y.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

XXX. PAPER.

1968. BLANK BOOK PAPER.
Agawam Paper Co., Mittineague, Mass. *75
Hampshire Paper Co., S. Hadley Falls, Mass.
Owen Paper Co., Housatonic, Mass.
Sheffield Mfg. Co., Saugerties, N. Y.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224
Wauregan Paper Co., Holyoke, Mass.

1969. BLOTTING PAPER.
Albemarle Paper Mfg. Co., Richmond, Va.
Geo. K. Baird & Bro., E. Lee, Mass.
Joseph Parker & Son, New Haven, Conn.

Richmond Paper Mfg. Co., Richmond, Va.
Russell Paper Co., 85 Water St., Boston, Mass.
Springfield Paper Co., Rainbow, Conn.
W. & R. Tiddy, Charlotte, N. C.
Wrenn Paper Co., Middletown, O.

1970. BOOK PAPER.

Adams & Bishop, Newburg, N. Y.
Peter Adams Co., Buckland, Conn.
Albemarle Paper Mfg. Co., Richmond, Va.
Albion Paper Co., Holyoke, Mass.
Amoskeag Paper Mill Co., Manchester, N. H.
Bacon Paper Co., Lawrence, Mass.
Bardeen Paper Co., Otsego, Mich.
D. M. Bare & Co., Roaring Spring, Pa.
J. C. Beach & Bro., Wallkill, N. Y.
J. R. Beardsley, Elkhart, Ind.
Bremaker-Moore Paper Co., Louisville, Ky.
Bulkley, Dunton & Co., Bancroft, Mass.
I. D. Carter & Son, Singerly, Md.
Chelsea Paper Mfg. Co., Greenville, Conn.
Cleveland Paper Co., Cleveland, O.
Contoocook Valley Paper Co., W. Henniker, N. H.
Crane & Co., Dalton, Mass. *81
Crocker, Burbank & Co., W. Fitchburg, Mass.
Crocker Mfg. Co., Holyoke, Mass.
Curtis & Bro., Newark, Del.
Deseret News Co., Salt Lake City, Utah.
Geo. R. Dickinson Paper Co., Holyoke, Mass.
Eagle Paper Co., Franklin, O.
Excelsior Paper Co., Holyoke, Mass.
Fairchild Paper Co., 64 Federal St., Boston, Mass.
Fitchburg Paper Co., Fitchburg, Mass.
Fort Orange Paper Co., Castleton, N. Y.
Fox River Paper Co., Appleton, Wis.
Geo. H. Friend Paper Co., W. Carrolton, O.
Friend & Fox Paper Co., Lockland, O.
C. S. Garrett & Son, 20 Decatur St., Philadelphia, Pa.
W. C. Hamilton & Sons, 1001 Chestnut St., Philadelphia, Pa.
Hartford Paper Co., Hartford, Conn.
Hill & Johnson Mfg. Co., Bath, S. C.
Wm. H. Hoffman & Sons, Hoffmanville, Md.
Indiana Paper Co., Indianapolis, Ind.
Jessup & Moore Paper Co., 28 S. 6th St., Philadelphia, Pa.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly & Clark Co., Appleton, Wis.
Marietta Paper Mfg. Co., Marietta, Ga.
Mead Paper Mfg. Co., Dayton, O.
Montague Paper Co., Turner's Falls, Mass.
Morrison & Cass Paper Co., Tyrone, Pa.
Neenah Paper Co., Neenah, Wis.
New York & Penna. Co., Lock Haven, Pa.
Martin & Wm. H. Nixon Paper Co., 515 Commerce St., Phila., Pa.
Nonotuck Paper Co., Holyoke, Mass. *246
Ohio Paper Co., Miamisburg, O.
Orrs & Co., Troy, N. Y.
Patten Paper Co., Ltd., Appleton, Wis.
Pedinsular Paper Co., Ypsilanti, Mich.
Poland Paper Co., Portland, Me.
Reading Paper Mills, Reading, Pa.
Richards Paper Co., Gardiner, Me.
Richmond Paper Mfg. Co., Richmond, Va.
Ripley Mfg. Co., Unionville, Conn.
Russell Paper Co., 85 Water St., Boston, Mass.
C. & H. Russell, Penn Yan, N. Y.
Seymour Paper Co., Windsor Locks, Conn.
Smith Paper Co., Lee, Mass.
Louis Snider's Sons Co., Hamilton, O.
Stone Fort Paper Co., Manchester, Tenn.
Sugar River Paper Mill Co., Claremont, N. H.
Susquehanna Water Power & Paper Co., Conowingo, Md.
Syms & Dudley Paper Co., Holyoke Mass.
S. P. Taylor Paper Co., San Francisco, Cal.
Three Rivers Paper Co., Three Rivers, Mich.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224
Tileston & Hollingsworth Co., 64 Federal St., Boston, Mass.
United States Paper Co., P. O. Box 2328, New York. *95
Van Nortwick Paper Co., Batavia, Ill.

F. R. Walker & Son, Burnside, Conn.
S. D. Warren & Co., 220 Devonshire St., Boston, Mass.
West Ware Paper Co., Ware, Mass.
Geo. W. Wheelwright Paper Co. 125 Milk St., Boston, Mass.
Whiteman Pulp & Paper Co., Dansville, N. Y.
Geo. A. Whiting, Menasha, Wis.
Winona Paper Co., Holyoke, Mass.
Wrenn Paper Co., Middletown, O.
Franklin Wyman, Westminster, Mass.
Ypsilanti Paper Co., Ypsilanti, Mich.

1971. BOARDS.

A. ALBUM BOARDS.

E. T. Carrier, S. Manchester, Conn.
F. L. Case, S. Manchester, Conn.
Keeney Bros., Manchester, Conn.
N. E. Card & Paper Co., Springfield, Mass.
Rhode Island Card Board Co., Pawtucket, R. I.
Ripley Mfg. Co., Unionville, Conn.
W. S. & I. H. Wade, Millburn. N. J.

B. ASBESTOS BOARDS.

B. S. Binney, Shirley Village, Mass.
Chalmers-Spence Co., 419 E. 8th St., New York.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
H. F. Watson Co., Erie, Pa.

C. BINDERS' BOARDS.

American Straw Board Co., 152 Michigan Av., Chicago, Ill.
Fred. L. Case, S. Manchester, Conn.
E. H. Davey, Bloomfield, N. J.
Fandango Mills Co., Millburn, N. J.
Keeney Bros., Manchester, Conn.
H. H. Latham, 304 Dearborn St., Chicago, Ill.
N. E. Card & Paper Co., Springfield, Mass.
Ripley Mfg. Co., Unionville, Conn.
J. B. Shepler, Toledo, O.
Shryock Bros., Shippensburg, Pa.

D. BOX BOARDS.

Joshua B. Broomall, Ercildoun, Pa.
Elkhart Combination Board Co., Elkhart, Ind.
N. E. Card & Paper Co., Springfield, Mass.
Ohio Paper Co., Niles, Mich.
James Ramage Paper Co., Monroe Bridge, Mass.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224
W. & R. Tiddy, Charlotte, N. C.
Tytus Paper Co., Middletown, Ohio.

E. BRISTOL BOARDS.

Agawam Paper Co., Mittineague, Mass. *75
Geo. K. Baird & Bro., Lee, Mass.
Alex. Balfour, 20 S. 6th St., Philadelphia, Pa.
Hampshire Paper Co., S. Hadley Falls, Mass.
Massasoit Paper Mfg. Co., Holyoke, Mass.
N. E. Card & Paper Co., Springfield, Mass.
Parsons Paper Co., Holyoke, Mass. *80
Rhode Island Card Board Co., Pawtucket, R. I.
Riverside Paper Co., Holyoke, Mass.
Sebago Wood Board Co., Portland, Me.
W. & R. Tiddy, Charlotte N. C.
Geo. W. Wheelwright Paper Co., 125 Milk St., Boston, Mass.
Whiting Paper Co., Holyoke, Mass.
Whitmore Mfg. Co., Holyoke, Mass.

F. BUTTON BOARDS.

Holyoke Card & Paper Co., Springfield, Mass.
Keeney Bros., Manchester, Conn.
N. E. Card & Paper Co., Springfield, Mass.
Rhode Island Card Board Co., Pawtucket, R. I.
H. E. Rogers, S. Manchester, Conn.
Whitmore Mfg. Co., Holyoke, Mass.

G. LEATHER BOARDS.

Clegg & Fisher, Lawrence, Mass.
S. F. Dawson, Lawrence, Mass.
Harwood Mfg. Co., 91 Summer St., Boston, Mass.
Mousam Mfg. Co., Kennebunk, Me.
Jas. A. Muir, Morristown, N. J,
Ripley Mfg. Co., Unionville, Conn.
Sherman & Co., Belfast, Me.
Spaulding Bros., W. Townsend, Mass.
Wilder & Co., 220 Devonshire St., Boston, Mass.

H. LITHOGRAPH BLANKS.

Hampden Glazed Paper & Card Co., Holyoke, Mass.
Holyoke Card & Paper Co., Springfield, Mass.
N. E. Card & Paper Co., Springfield, Mass.
Rhode Island Card Board Co., Pawtucket, R. I.
Whitmore Mfg. Co., Holyoke, Mass.

I. PERFORATED CARD BOARDS.

B. Dreyfuss, 79 Duane St., New York.

J. PRESS BOARDS.	Chas. F. Crehore & Son, 87 Milk St., Boston, Mass.
	House & Co., Rainbow, Conn.
	Rhode Island Card Board Co., Pawtucket, R. I.
	H. E. Rogers, S. Manchester, Conn.
K. RAILROAD BLANKS.	Hampden Glazed Paper & Card Co., Holyoke, Mass.
	Holyoke Card & Paper Co., Sprinfigeld, Mass.
	Rhode Island Card Board Co., Pawtucket, R. I.
	Whitmore Mfg. Co., Holyoke, Mass.
L. STRAW BOARDS.	Allen Paper Car Wheel Co., Morris, Ill.
	American Straw Board Co., 152 Michigan Av., Chicago, Ill.
	A. R. Cushman, Amherst, Mass.
	Ehret-Warren Mfg. Co., 113 N. 8th St., St. Louis, Mo.
	Elkhart Combination Board Co., Elkhart, Ind.
	William Foulds, Manchester, Conn.
	Keeney Bros., Manchester, Conn.
	Lydall & Foulds Paper Co., Manchester, Conn.
	Mason-Perkins Paper Co., Bristol, N. H.
	N. E. Card & Paper Co., Springfield, Mass.
	Ohio Paper Co., Niles, Mich.
	S. D. Paddock, Elbridge, N. Y.
	Shryock Bros., Shippensburg, Pa.
	Western Strawboard Co., St. Mary's, Ohio.
	Xenia Paper Co., Xenia, O.
M. TAG BOARDS.	Chemical Paper Co., Holyoke, Mass.
	Jackson Paper Mfg. Co., Jackson, Mich.
	W. & R. Tiddy, Charlotte, N. C.
N. TRANSLUCENT BRISTOL BOARDS.	Martin Cantine Co., Saugerties, N. Y.
	Hampden Glazed Paper & Card Co., Holyoke, Mass.
	Holyoke Card & Paper Co., Springfield, Mass.
	Rhode Island Card Board Co., Pawtucket, R. I.
	Whitmore Mfg. Co., Holyoke, Mass.
O. TRUNK BOARDS.	Joshua B. Broomall, Ercildoun, Pa.
	Fandango Mills Co., Millburn, N. J.
	Keeney Bros., Manchester, Conn.
	Jas. A. Muir, Morristown, N. J.
	N. E. Card & Paper Co., Springfield, Mass.
	Ripley Mfg. Co., Unionville, Conn.
	John B. Shepler, Toledo, O.
P. WOOD PULP BOARDS.	Androscoggin Pulp Co., Portland, Me.
	Bayless Paper Co., Binghamton, N. Y.
	Kennebec Fibre Co., Waterville, Me.
	Michigan Wood Pulp Co., Niles, Mich.
	F. Walldorf & Son, Monroe, Mich.

1972. BOGUS MANILLA PAPER.

	Enz & Miller, Ithaca, N. Y.
	James Jones, Shortsville, N. Y.
	H. L. Kent & Co., Westfield, N. Y.
	Jas. L. Reynolds, Hoboken, N. J.
	John Robertson (Est. of), Waterford, Conn.
1973. BUTTER PAPER.	Albany Perforated Wrapping Paper Co., Albany, N. Y. *76
1974. CARBON PAPERS.	Geo. R. Fuller, Rochester, N. Y.
	Henry Gerber, 83 Nassau St., New York.
	A. P. Little, Rochester, N. Y.
	N. Y. Carbon & Transfer Paper Co., 51 Nassau St., New York.
	John Underwood & Co., 30 Vesey St., New York.
1975. CARD PAPERS.	Brown Bros., Comstock's Bridge, Conn.
	D. A. Bullard & Sons, Schuylerville, N. Y.
	P. C. Cheney Co., Manchester, N. H.
	Contoocook Valley Paper Co., W. Henniker, N. H.
	Crocker, Burbank & Co., W. Fitchburg, Mass.
	Fall Mountain Paper Co., 85 Water St., Boston, Mass.
	Fitchburg Paper Co., Fitchburg, Mass.
	Fort Orange Paper Co., Castleton, N. Y.
	C. S. Garrett & Son, 20 Decatur St., Philadelphia, Pa.
	Hammer & Forbes Co., Burnside, Conn.
	Hampden Glazed Paper & Card Co., Holyoke, Mass.
	Hampshire Paper Co., S. Hadley Falls, Mass.
	Kalamazoo Paper Co., Kalamazoo, Mich.
	Ripley Mfg. Co., Unionville, Conn.
	Riverside Paper Co., Holyoke, Mass.
	S. A. Rudolph, 224 S. 3d St., Philadelphia, Pa.
	Sheffield Mfg. Co., Saugerties, N. Y.
	Syms & Dudley Paper Co., Holyoke, Mass.
	Tileston & Hollingsworth Co., 64 Federal St., Boston, Mass.
	Geo. W. Wheelwright Paper Co., 125 Milk St., Boston, Mass.

	Franklin Wyman, Westminster, Mass.	
A. CARD MIDDLES.	Androscoggin Pulp Co., Portland, Me.	
	Brown Bros., Comstock's Bridge, Conn.	
	Case Bros., S. Manchester, Conn.	
	Fall Mountain Paper Co., 85 Water St., Boston, Mass.	
	Lydall & Foulds Paper Co., Manchester, Conn.	
	Niagara Wood Paper Co., Niagara Falls, N. Y.	
1976. CHROMO PAPERS.	Peter Adams Co., Buckland, Conn.	
	Geo. V. Baird & Co., Lee, Mass.	
	Fairchild Paper Co., 64 Federal St., Boston, Mass.	
	Hampden Glazed Paper & Card Co., Holyoke, Mass.	
	Hartford Paper Co., Poquonock, Conn.	
	Holyoke Card & Paper Co., Springfield, Mass.	
	Orient Card & Paper Co., Pawtucket, R. I.	
	Whitmore Mfg. Co., Holyoke, Mass.	
	Winona Paper Co., Holyoke, Mass.	
1977. CIGARETTE PAPERS.	Diamond Mills Paper Co., 44 Murray St., New York.	
	Valley Falls Paper Mfg. Co., Valley Falls, N. Y.	
	Chas. E. Wackerhagen, Canaan Four Corners, N. Y.	
1978. CLOTH FACED PAPER.	United Mfg. Co , 5 Mercer St., New York.	
1979. COATED PAPERS.	Martin Cantine Co., Saugerties, N. Y.	
	Crocker Mfg. Co., Holyoke, Mass.	
	Doty & Scrimgeour, 407 Willoughby Av., Brooklyn, N. Y.	
	Hampden Glazed Paper & Card Co., Holyoke, Mass.	
	Holyoke Card & Paper Co., Springfield, Mass.	
	New England Card & Paper Co., Springfield, Mass.	
	Nonotuck Paper Co., Holyoke, Mass.	*246
	Reading Paper Mill, Reading, Pa.	
	Whitmore Mfg. Co., Holyoke, Mass.	
1980. COLLAR PAPERS.	Orrs & Co., Troy, N. Y.	
	Yantic Paper Co., Greenville, Conn.	
1981. COLORED PAPERS.	Beckett Paper Co., Hamilton, O.	
	Crocker Mfg. Co., Holyoke, Mass.	
	Curtis & Bro., Newark, Del.	
	Fitchburg Paper Co., Fitchburg, Mass.	
	Hartford Paper Co., Hartford, Conn.	
	Mason-Perkins Paper Co., Bristol, N. H.	
	Thos. Nixon & Co., Dayton, O.	
	Nonotuck Paper Co., Holyoke, Mass.	*246
	Parsons Paper Co., Holyoke, Mass.	*80
	Seymour Paper Co., 45 John St., New York.	
	J. H. Tangeman & Co., Lockland, O.	
	S. P. Taylor Paper Co., San Francisco, Cal.	
	Union Mills Paper Mfg. Co., New Hope, Pa.	
	Geo. A. Whiting, Menasha, Wis.	
	Wilkinson Bros. & Co., 74 Duane St., New York.	
1982. COPYING PAPERS.	Diamond Mills Paper Co., 44 Murray St., New York.	
	William Mann Co., Lambertville, N. J.	
	Springfield Paper Co., Rainbow, Conn.	
	Union Mills Paper Mfg. Co., New Hope, Pa.	
	Frank H. Whittelsey, Windsor Locks, Conn.	
1983. COVER PAPERS.	Alex. Balfour, 20 S. 6th St., Philadelphia, Pa.	
	Beckett Paper Co., Hamilton, O.	
	Crocker Mfg. Co., Holyoke, Mass.	
	Curtis & Bro., Newark, Del.	
	Doty & Scrimgeour, 407 Willoughby Av., Brooklyn, N. Y.	
	Griffith, Axtell & Cady Co., Holyoke, Mass.	
	Knowlton Bros.. Watertown, N. Y.	
	Nonotuck Paper Co., Holyoke, Mass.	*246
	Peninsular Paper Co., Ypsilanti, Mich.	
	Seymour Paper Co., 45 John St., New York.	
	W. & R. Tiddy, Charlotte, N. C.	
A. EMBOSSED COVER PAPERS.	Crocker Mfg. Co., Holyoke, Mass.	
1984. DRAWING PAPERS.	L. L. Brown Paper Co., Adams, Mass.	*77
	J. Symington & Co., Lancaster, Pa.	
	Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y.	*224
	West Jersey Paper Co., Camden, N. J.	
1985. ENVELOPE PAPERS.	Chemical Paper Co., Holyoke, Mass.	
	Curtis & Bro., Newark, Del.	
	Franklin Paper Co., Holyoke, Mass.	
	Hammer & Forbes Co., Burnside, Conn.	
	Nonotuck Paper Co., Holyoke, Mass.	*246
	Oakland Paper Co., Manchester, Conn.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Sheffield Mfg. Co., Saugerties, N. Y.	
	Winona Paper Co., Holyoke, Mass.	

A. DUPLEX ENVELOPE PAPER.
Oakland Paper Co., Manchester, Conn.

1986. EXPRESS PAPER.
Armstrong Bros., Lock Haven, Pa.
N. Y. & Penna. Co., Lock Haven, Pa.
Perrine Paper Co., Franklin, O.
Shryock Bros., Shippensburg, Pa.
Vandalia Paper Co., Vandalia, Ill.
H. F. Watson Co., Erie, Pa.
Wilkinson Bros. & Co., 74 Duane St., New York.
Xenia Paper Co., Xenia, O.

1987. FILTER PAPER.
L. L. Brown Paper Co., Adams, Mass. *77
Thos. S. Marshall & Son, Yorklyn, Del.

1988. FLOUR SACK PAPER.
Hollingsworth & Vose, 44 Federal St., Boston, Mass.
Thos. S. Marshall & Son, Yorklyn, Del.
Thos. Phillips Co., Akron, O.
West Jersey Paper Co., Camden, N. J.

1989. FRUIT PAPER.
C. H. Dexter & Sons, Windsor Locks, Conn.
Frank H. Whittelsey, Windsor Locks, Conn.

1990. GLAZED PAPER.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Holyoke Card & Paper Co., Springfield, Mass.
N. E. Card & Paper Co., Springfield, Mass.
Nonotuck Paper Co., Holyoke, Mass. *246
Orient Card & Paper Co., Pawtucket, R. I.
Pawtucket Glazed Paper Co., Pawtucket, R. I.
Whitmore Mfg. Co., Holyoke, Mass.

1991. HAM PAPERS.
Joliet Paper Co., Joliet, Ill.
Mansfield Paper Co., Mansfield, O.

1992. HANGING PAPERS.
Allen Bros., Sandy Hill, N. Y.
Angell & Landon, Greenwich, N. Y.
Bulkley, Dunton & Co., Bancroft, Mass.
H. G. Craig & Co., Philadelphia, Pa.
Fitchburg Paper Co., Fitchburg, Mass.
C. S. Garrett & Son, Ercildoun, Pa.
Great Bend Paper Co., Great Bend, N. Y.
Hickey & Wilder, Middletown, Mass.
Hunter & Shiland, Essex Junction, Vt.
Lefever, Eldridge & Co., Fallsburgh, N. Y.
Lockport Paper Co., Lockport, N. Y.
Thos. S. Marshall & Son, Yorklyn, Del.
Munroe Felt & Paper Co., Lawrence, Mass.
Orrs & Co., Troy, N. Y.
H. A. Philp & Co., Brooklyn, N. Y.
C. M. Robertson, Montville, Conn.
Stark Paper Co., N. Bennington, Vt.
Stevens & Thompson, N. Hoosick, N. Y.
Susquehanna Water Power & Paper Co., Conowingo, Md.
Wagman, Thorpe & Co., Fort Miller, N. Y.
Wait & Richards, Sandy Hill, N. Y.
Walloomsac Paper Co., Walloomsac, N. Y.
White & Keeney, Manchester, Conn.
A. A. Yerkes Mfg. Co., York, Pa.

1993. HARDWARE PAPERS.
Armstrong Bros., Lock Haven, Pa.
Beatrice Paper Co., Beatrice, Neb.
F. W. Bird & Son, E. Walpole, Mass. *46
Crocker Mfg. Co., Holyoke, Mass.
Dilworth Paper Co., Beaver Falls, Pa.
Los Angeles Paper Co., Compton, Cal.
James B. Ramsey, 14 Decatur St., Philadelphia, Pa.
S. P. Taylor Paper Co., San Francisco, Cal.
H. F. Watson Co., Erie, Pa.
Wells & Peppard, Golden, Col.
Wilkinson Bros. & Co., 74 Duane St., New York.

1994. JACQUARD PAPERS.
Case Bros., S. Manchester, Conn.
F. L. Case Paper Co., Andover, Conn.

1995. LINING PAPERS.
Doty & Scrimgeour, 407 Willoughby Av., Brooklyn, N. Y.
Geo. H. Friend Paper Co., W. Carrollton, O.
Haldeman Paper Co., Lockland, O.
Newton Paper Co., Holyoke, Mass.
J. H. Tangeman & Co., Lockland, O.

1996. LITHOGRAPH PAPERS.
Peter Adams Co., Buckland, Conn.
Crocker, Burbank & Co., Fitchburg, Mass.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Martin Cantine Co., Saugerties, N. Y.
Nonotuck Paper Co., Holyoke, Mass. *246
Reading Paper Mill, Reading, Pa.

1997. MANILLA PAPERS.

Whitmore Mfg. Co., Holyoke, Mass.
Albany Perforated Wrapping Paper Co., Albany, N. Y. *76
Atlas Paper Co., Appleton, Wis.
Battenkill Paper Co., Middle Falls, N. Y.
Bloomsburg Paper Co., Bloomsburg, Pa.
Bradner, Smith & Co., 119 Monroe St.. Chicago, Ill.
Brightwood Mills, Hinsdale, N. H.
Brownville Box & Paper Co., Brownville, N. Y.
Bulkley, Dunton & Co., Bancroft, Mass.
Chemical Paper Co., Holyoke, Mass.
Cleveland Paper Co., Cleveland, O.
Chas. E. Collender, Glendale, Mass.
Columbia River Paper Co., La Camas, Wash.
Deseret News Co., Salt Lake City, Utah.
C. H. Dexter & Sons, Windsor Locks, Conn.
Fall Mountain Paper Co., 85 Water St., Boston, Mass.
Geo. H. Friend Paper Co., W. Carrolton, O.
C. S. Garrett & Son, 20 Decatur St., Philadelphia, Pa.
Globe Paper Co., Brownville, N. Y.
Godfrey & Clark Paper Co., Pittsburgh, Pa.
Haldeman Paper Co., Lockland, O.
Hammer & Forbes Co., Burnside, Conn.
Hartford Manilla Co., Hartford, Conn.
Hart Lot Paper Co., Hart Lot, N. Y.
Hill & Johnson Mfg. Co., Bath, S. C.
Wm. H. Hoffman & Sons, Hoffmanville, Md.
Hollingsworth & Vose, 44 Federal St., Boston, Mass.
Hollingsworth & Whitney Co., 36 Federal St., Boston, Mass.
Howland & Co., Sandy Hill, N. Y.
Indiana Paper Co., Indianapolis, Ind.
Kaukauna Paper Co., Kaukauna, Wis.
Kimberly & Clark Co., Appleton, Wis.
M. J. Lawless & Co., Marcellus Falls, N. Y.
John A. Manning, Troy, N. Y.
Manning & Paine, Troy, N. Y.
Manning & Peckham, Troy, N. Y.
Marinette & Menominee Paper Co., Marinette, Wis.
Mason-Perkins Paper Co., Bristol, N. H.
Middletown Paper Co., Middletown, O.
Moore, Arms & Thompson, Bellows Falls, Vt.
O. I. Newton, Sparta, Wis.
Niagara Paper Mill, Lockport, N. Y.
Martin & Wm. H. Nixon Paper Co., 515 Commerce St., Phila., Pa
Pennsylvania Pulp & Paper Co., Lock Haven, Pa.
Perrine Paper Co., Franklin, O.
Thos. Phillips Co., Akron, O.
Pioneer Paper Mfg. Co., Athens, Ga.
Pleasant Mills Paper Co., Pleasant Mills, N. J.
Jas. Ramage Paper Co., Monroe Bridge, Mass.
Jas. B. Ramsey, 14 Decatur St., Philadelphia, Pa.
Reading Paper Mill, Reading, Pa.
Remington Paper Co., Watertown, N. Y.
John L. Riegel & Son, Riegelsville, N. J.
Philip Rudolph & Sons,, 16 Decatur St., Philadelphia, Pa.
Smith Paper Co., Lee, Mass.
Springfield Paper Co., Rainbow, Conn.
Taggart Bros. Co., Watertown, N. Y.
Telulah Paper Co., Appleton, Wis.
Train, Smith & Co., 24 Federal St., Boston, Mass.
Tytus Paper Co., Middletown, O.
Valley Falls Paper Mfg. Co., Valley Falls, N. Y.
Wardlow-Thomas Paper Co., Middletown, O.
Warren Mfg. Co., Riegelsville, N. J.
H. F. Watson & Co., Erie, Pa.
Geo. West, Ballston Spa, N. Y.
West Ware Paper Co., Ware, Mass.
Geo. W. Wheelwright Paper Co., 125 Milk St., Boston, Mass.
Wilder & Co., 220 Devonshire St., Boston, Mass.
Wilkinson Bros. & Co., 74 Duane St., New York.

A. LINED MANILLA.

Newton Paper Co., Holyoke, Mass.
J. L. Reynolds, Hoboken, N. J.

1998. MAP PAPERS.

Kalamazoo Paper Co., Kalamazoo, Mich.
Mount Holly Paper Co., Mount Holly Springs, Pa.
J. M. Willcox Paper Co., Glen Mills, Pa.

1999. MATRIX PAPERS.

Crocker Mfg. Co., Holyoke, Mass.
Joseph Parker & Son., New Haven, Conn.

2000. MUSIC PAPERS.

2001. NEWS PAPER.

Winnebago Paper Mills, Neenah, Wis.
Kalamazoo Paper Co., Kalamazoo, Mich.
Geo. W. Wheelwright Paper Co., Fitchburg, Mass.
Jas. M. Willcox Paper Co., Glen Mills, Pa.
Albemarle Paper Mfg. Co., Richmond, Va.
Amoskeag Paper Mill Co., Manchester, N. H.
Appleton Paper & Pulp Co., Appleton, Wis.
Atlas Paper Co., Appleton, Wis.
Badger Paper Co., Kaukauna, Wis.
J. C. Beach & Bro., Wallkill, N. Y.
J. R. Beardsley, Elkhart, Ind.
Bremaker-Moore Paper Co., Louisville, Ky.
Bulkley, Dunton & Co., Bancroft, Mass.
P. C. Cheney Co., Manchester, N. H.
Cleveland Paper Co., Cleveland, O.
Columbia River Paper Co., La Camas, Wash.
Crocker, Burbank & Co., W. Fitchburg, Mass.
Deseret News Co., Salt Lake City, Utah.
Eagle Paper Co., Franklin, O.
Eau Claire Pulp & Paper Co., Eau Claire, Wis.
Franklin Paper Co., Franklin, O.
Friend & Fox Paper Co., Lockland, O.
Geo. H. Friend Paper Co., W. Carrollton, O.
C. S. Garrett & Sons, 20 Decatur St., Philadelphia, Pa.
Frank Gilbert, Waterford, N. Y.
P. H. Glatfelter, Spring Forge, Pa.
Globe Paper Co., Brownville, N. Y.
Hartford Paper Co., Hartford, Conn.
Haverhill Paper Co., Haverhill, Mass.
Hill & Johnson Mfg. Co., Bath, S. C.
Wm. H. Hoffman & Sons, Hoffmansville, Md.
Hudson River Pulp & Paper Co., Palmers Falls, N. Y.
Indiana Paper Co., South Bend, Ind.
Jessup & Moore Paper Co., 28 S. 6th St., Philadelphia, Pa.
Kalamazoo Paper Co., Kalamazoo, Mich.
Chauncey Kilmer, Rock City Falls, N. Y.
Kimberly & Clark Co., Appleton, Wis.
Manufacturers Paper Co., 41 Park Row, New York.
Marietta Paper Mfg. Co., Marietta, Ga.
Marinette & Menominee Paper Co., Marinette, Wis.
Mason-Perkins Paper Co., Bristol N. H.
Mead Paper Co., Dayton, O.
Moline Paper Co., Moline, Ill.
Montague Paper Co., Turner's Falls, Mass.
Morrison & Cass Paper Co., Tyrone, Pa.
Neenah Paper Co., Neenah, Wis.
New York & Penn. Co., Lock Haven, Pa.
Orrs & Co., Troy, N. Y.
Patten Paper Co., Ltd., Appleton, Wis.
Pennsylvania Pulp & Paper Co., Lock Haven, Pa.
Pioneer Paper Mfg. Co., Athens, Ga.
Poland Paper Co., Portland, Me.
Remington Paper Co., Watertown, N. Y.
E. S. Reynolds, South Bend, Ind.
Richards Paper Co., Gardiner, Me.
Richmond Paper Mfg. Co., Richmond, Va.
C. & H. Russell, Penn Yan, N. Y.
Russell Paper Co., 85 Water St., Boston, Mass.
Smith Paper Co., Lee, Mass.
Louis Snider's Sons Co., Hamilton, O.
Springfield Paper Co., Rainbow, Conn.
Stevens & Thompson, N. Hoosick, N. Y.
Sugar River Paper Mill Co., Claremont, N. H.
Taggart Bros. Co., Watertown, N. Y.
S. P. Taylor Paper Co., San Francisco, Cal.
Telulah Paper Co., Appleton, Wis.
Three Rivers Paper Co., Three Rivers, Mich.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224
Turner's Falls Paper Co., Turner's Falls, Mass.
United States Paper Co., P. O. Box 2328, New York. *95
Van Nortwick Paper Co., Batavia, Ill.
F. G. Weeks, Skaneateles Falls, N. Y.
West Ware Paper Co., Ware, Mass.
Whiteman Pulp & Paper Co., Dansville, N. Y.
Geo. A. Whiting, Menasha, Wis.
Wilder & Co., 220 Devonshire St., Boston, Mass.

Winnebago Paper Mills, Neenah, Wis.
Winnepiseogee Paper Co., Franklin Falls, N. H.
Wrenn Paper Co., Middletown, O.
Franklin Wyman, Westminster, Mass.
York Haven Paper Co., 308 Walnut St., Philadelphia, Pa.
Ypsilanti Paper Co., Ypsilanti, Mich.

A. ROLL NEWS PAPER.
Cecil Paper Mills, Singerly, Md.
Fall Mountain Paper Co., Bellows Falls, N. H.
Glens Falls Paper Co., Glens Falls, N. Y.
Glen Mfg. Co., Berlin Falls, N. H.
Hudson River Pulp & Paper Co., Palmers Falls, N. Y.
Remington Paper Co., Watertown, N. Y.
Rochester Paper Co., Rochester, N. Y.
Susquehanna Water Power & Paper Co., Conowingo, Md.

2002. PLAID PAPERS.
Brownville Box & Paper Co., Brownville, N. Y.
Hampden Glazed Paper & Card Co., Holyoke, Mass.

2003. PLATE PAPERS.
Bacon Paper Co., Lawrence, Mass.
Geo. K. Baird & Bro., Lee, Mass.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Holyoke Card & Paper Co., Springfield, Mass.
E. & S. May Paper Co., E. Lee, Mass.
Reading Paper Mills, Reading, Pa.
Tileston & Hollingsworth, 64 Federal St., Boston, Mass.
Whitmore Mfg. Co., Holyoke, Mass.

2004. POSTER PAPERS.
Bacon Paper Co., Lawrence, Mass.
Beckett Paper Co., Hamilton, O.
Brownville Box & Paper Co., Brownville, N. Y.
Fitchburg Paper Co., Fitchburg, Mass.
Kalamazoo Paper Co., Kalamazoo, Mich.
Mason-Perkins Paper Co., Bristol, N. H.
Springfield Paper Co., Rainbow, Conn.

2005. SAND PAPER PAPERS.
Cleveland Paper Co., Cleveland, O.
Hollingsworth & Vose, 44 Federal St., Boston, Mass.
John A. Manning, Troy, N. Y.
West Jersey Paper Co., Camden, N. J.

2006. SEIDLITZ PAPERS.
S. Y. Beach Paper Co., Seymour, Conn.
Springfield Paper Co., Rainbow, Conn.

2007. SILVER PAPER.
Hampden Glazed Paper & Card Co., Holyoke, Mass.

2008. STARCH PAPERS.
Beckett Paper Co., Hamilton, O.
Kalamazoo Paper Co., Kalamazoo, Mich.

2009. STRIPED PAPER.
Brownville Box & Paper Co., Brownville, N. Y.

2010. TEA PAPERS.
J. W. Ager, Lyonsdale, N. Y.
Kalamazoo Paper Co., Kalamazoo, Mich.

2011. TICKET PAPERS.
Crocker Mfg. Co., Holyoke, Mass.
Syms & Dudley Paper Co., Holyoke, Mass.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224

2012. TISSUE PAPERS.
Adams Paper Co., Wells River, Vt.
Albany Perforated Wrapping Paper Co., Albany, N. Y. *76
Brightwood Mills, Hinsdale, N. H.
William A. Cole & Co., Putney, Vt.
Deming & Learneds, Wells River, Vt.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
C. H. Dexter & Sons, Windsor Locks, Conn.
Diamond Mills Paper Co., 44 Murray St., New York.
Fisk Paper Co., Hinsdale, N. H.
Globe Tissue Paper Co., Elkhart, Ind.
William Mann Co., Lambertville, N. J.
Otsego Paper Mill, Cooperstown, N. Y.
John Robertson & Son, Bellows Falls, Vt.
Francis Tempest, Beaver Valley, Del.
Union Mills Paper Mfg. Co., New Hope, Pa.
Valley Falls Paper Mfg. Co., Valley Falls, N. Y.
Frank H. Whittelsey, Windsor Locks, Conn.

A. FRENCH FOLIO.
C. H. Dexter & Sons, Windsor Locks, Conn.
W. & R. Tiddy, Charlotte, N. C.
Frank H. Whittelsey, Windsor Locks, Conn.

2013. TOBACCO PAPERS.
Bardeen Paper Co., Otsego, Mich.
Beckett Paper Co., Hamilton, O.
Cuyahoga Paper Co., Cuyahoga Falls, O.
Geo. H. Friend Paper Co., W. Carrollton, O.
W. & R. Tiddy, Charlotte, N. C.

2014. TOILET PAPERS.
Albany Perforated Wrapping Paper Co., Albany, N. Y. *76
Brightwood Mills, Hinsdale, N. H.
W. A. Cole & Co., Putney, Vt.
C. H. Dexter & Sons, Windsor Locks, Conn.
Diamond Mills Paper Co., 44 Murray St., New York.

	Fisk Paper Co., Hinsdale, N. H.	
	Globe Tissue Paper Co., Elkhart, Ind.	
	John T. Moore & Son, Bellows Falls, Vt.	
	Morgan Envelope Co., Springfield, Mass.	*79
	Frank H. Whittelsey, Windsor Locks, Conn.	
2015. TYPEWRITER PAPERS.	Agawam Paper Co., Mittineague, Mass.	
	Owen Paper Co., Housatonic, Mass.	
	Riverside Paper Co., Holyoke, Mass.	
	Valley Paper Co., Holyoke, Mass.	*84
2016. WAXED PAPERS.	Albany Perforated Wrapping Paper Co., Albany, N. Y.	*76
	Dayton Paper Novelty Co., Dayton, O.	
	Hammerschlag Mfg. Co., 234 Greenwich St., New York.	
	Mansfield Paper Co., Mansfield, O.	
	Sparks Mfg. Co., 22 Burling Slip, New York.	
	Windsor Locks Wax Paper Co., Windsor Locks, Conn.	
2017. WRAPPING PAPERS.	Albany Perforated Wrapping Paper Co., Albany, N. Y.	*76
	F. W. Bird & Son, E. Walpole, Mass.	*46
	Bradner, Smith & Co., 119 Munroe St., Chicago, Ill.	
	Cleveland Paper Co., Cleveland, O.	
	Clinton Paper Co., Clinton, Iowa.	
	Columbia River Paper Co., La Camas, Wash.	
	C. H. Dexter & Sons, Windsor Locks, Conn.	
	F. J. Diem, Dayton, O.	
	Friend & Fox Paper Co., Lockland, O.	
	Globe Paper Co., Brownville, N. Y.	
	Haldeman Paper Co., Lockland, O.	
	Hill & Johnson Mfg. Co., Bath, S. C.	
	Indiana Paper Co., Indianapolis, Ind.	
	M. J. Lawless & Co., Marcellus Falls, N. Y.	
	L. Lincoln & Co., Taunton, Mass.	
	Lockport Paper Co., Lockport, N. Y.	
	Marietta Paper Mfg. Co., Marietta, Ga.	
	Mason-Perkins Paper Co., Bristol, N. H.	
	Moline Paper Co., Moline, Ill.	
	Nelson Paper Co., Minneapolis, Minn.	
	O. I. Newton, Sparta, Wis.	
	Newton Paper Co., Holyoke, Mass.	
	N. Y. & Pennsylvania Co., Lock Haven, Pa.	
	Martin & Wm. H. Nixon Paper Co., 515 Commerce St., Phila., Pa.	
	Pennsylvania Pulp & Paper Co., Lock Haven, Pa.	
	Perrine Paper Co., Franklin, O.	
	James Peters & Co., Latrobe, Pa.	
	Jas. B. Ramsey, 14 Decatur St., Philadelphia, Pa.	
	John Roberts & Son, Waltham, Mass.	
	Philip Rudolph & Sons, 16 Decatur St., Philadelphia, Pa.	
	J. H. Tangeman & Co., Lockland, O.	
	Wilkinson Bros. & Co., 74 Duane St., New York.	
A. ROLL WRAPPING PAPERS.	Albany Perforated Wrapping Paper Co., Albany, N. Y.	*76
	American Roll Paper Co., 207 N. 2d St., St. Louis, Mo.	
B. STRAW WRAPPING PAPERS.	Bridal Veil Paper Mill Co., Bridal Veil, Ore.	
	E. L. Brown, Elmwood, Ill.	
	Chas. J. Cave & Co., Penn Yan, N. Y.	
	Cleveland Paper Co., Cleveland, O.	
	Clinton Paper Co., Clinton, Iowa.	
	Columbia River Paper Co., La Camas, Wash.	
	Deseret News Co., Salt Lake City, Utah.	
	F. J. Diem, Dayton, O.	
	Graham Paper Co., Rock Island, Ill.	
	John Halstead, Blossvale, N. Y.	
	Indiana Paper Co., Indianapolis, Ind.	
	Jacob C. Kenyon, Baldwinville, N. Y.	
	M. J. Lawless & Co., Marcellus Falls, N. Y.	
	Newark Paper Co., Newark, O.	
	Rhoades, Utter & Co., Rockford, Ill.	
	Rock Falls Paper Co., Rock Falls, Ill.	
	J. W. Rossman & Son, Stockport, N. Y.	
	R. T. Smart, Troy, N. Y.	
	Valley Falls Paper Mfg. Co., Valley Falls, N. Y.	
	Wiley & Button, Schaghticoke, N. Y.	
	S. W. Williams, Streator, Ill.	
	Xenia Paper Co., Xenia, O.	
2018. WRITING PAPERS.		
A. BOND & BANK NOTE PAPERS.	Agawam Paper Co., Mittineague, Mass.	*75
	L. L. Brown Paper Co., Adams, Mass.	*77
	Crane Bros., Westfield, Mass.	*74
	Crane & Co., Dalton, Mass.	*81

	Hampshire Paper Co., S. Hadley Falls, Mass.	
	Holyoke Paper Co., Holyoke, Mass.	
	Hurlbut Paper Mfg. Co., S. Lee, Mass.	
	Owen Paper Co., Housatonic, Mass.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Riverside Paper Co., Holyoke, Mass.	
	Southworth Co., Mittineague, Mass.	
	Valley Paper Co., Holyoke, Mass.	*84
	Byron Weston, Dalton, Mass.	*83
	Whiting Paper Co., Holyoke, Mass.	
B. COLORED WRITING PAPERS.	Agawam Paper Co., Mittineague, Mass.	*75
	Beebe & Holbrook Co., Holyoke, Mass.	
	Franklin Paper Co., Holyoke, Mass.	
	Hampshire Paper Co., S. Hadley Falls, Mass.	
	Oakland Paper Co., Manchester, Conn.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Seymour Paper Co., Windsor Locks, Conn.	
	Whiting Paper Co., Holyoke, Mass.	
C. ENGINE SIZED WRITING PAPERS.	Albion Paper Co., Holyoke, Mass.	
	D. M. Bare & Co., Roaring Springs, Pa.	
	D. A. Bullard & Sons, Schuylerville, N. Y.	
	Crocker Mfg. Co., Holyoke, Mass.	
	Geo. R. Dickinson Paper Co., Holyoke, Mass.	
	Fox River Paper Co., Appleton, Wis.	
	W. C. Hamilton & Sons, 1001 Chestnut St., Philadelphia, Pa.	
	Hammer & Forbes Co., Burnside, Conn.	
	Geo. B. Hurd & Co., 79 Beekman St., New York.	
	Oakland Paper Co., Manchester, Conn.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Ripley Mfg. Co., Unionville, Conn.	
	Russell Paper Co., 85 Water St , Boston, Mass.	
	Seymour Paper Co., Windsor Locks, Conn.	
	Sheffield Mfg. Co., Saugerties, N. Y.	
	Sugar River Paper Mill Co., Claremont, N. H.	
	Syms & Dudley Paper Co., Holyoke, Mass.	
	Watson & McDaniel, 144 N. 7th St., Philadelphia, Pa.	
	Wauregan Paper Co., Holyoke, Mass.	
	Winona Paper Co., Holyoke, Mass.	
D. LEDGER & RECORD PAPERS.	Agawam Paper Co., Mittineague, Mass.	*75
	L. L. Brown Paper Co., Adams, Mass.	*77
	Z. & W. M. Crane, Dalton, Mass.	*78
	Crane Bros., Westfield, Mass.	*74
	Holyoke Paper Co., Holyoke, Mass.	
	Keith Paper Co., Turner's Falls, Mass.	
	Old Berkshire Mills Co., Dalton, Mass.	
	Owen Paper Co., Housatonic, Mass.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Sheffield Mfg. Co., Saugerties, N. Y.	
	Southworth Co., Mittineague, Mass.	
	Valley Paper Co., Holyoke, Mass.	*84
	Byron Weston, Dalton, Mass.	*83
	Whiting Paper Co., Holyoke, Mass.	
	Worthy Paper Co., Mittineague, Mass.	
E. LINEN PAPERS.	Agawam Paper Co., Mittineague, Mass.	*75
	Beebe & Holbrook Co., Holyoke, Mass.	
	L. L. Brown Paper Co., Adams, Mass.	*77
	Carew Mfg. Co., S. Hadley Falls, Mass.	
	Crane Bros., Westfield, Mass.	*74
	Z. & W. M. Crane, Dalton, Mass.	*78
	Fairfield Paper Co., Salmon Falls, Mass.	
	Hampshire Paper Co., S. Hadley Falls, Mass.	
	Holyoke Paper Co., Holyoke, Mass.	
	Geo. B. Hurd & Co., 79 Beekman St., New York.	
	Hurlbut Paper Mfg. Co., S. Lee, Mass.	
	Keith Paper Co., Turner's Falls, Mass.	
	Massasoit Paper Mfg. Co., Holyoke, Mass.	
	Owen Paper Co., Housatonic, Mass.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Riverside Paper Co., Holyoke, Mass.	
	Southworth Co., Mittineague, Mass.	
	Valley Paper Co., Holyoke, Mass.	*84
	Byron Weston, Dalton, Mass.	*83
	Whiting Paper Co., Holyoke, Mass.	
	Worthy Paper Co., Mittineague, Mass.	
F. MANILLA WRITING PAPERS.	Albemarle Paper Mfg. Co., Richmond, Va.	
	Chemical Paper Co., Holyoke, Mass.	

	Hammer & Forbes Co., Burnside, Conn.	
	Ripley Mfg. Co., Unionville, Conn.	
	Jas. Symington & Co., Lancaster, Pa.	
	Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y.	*224
G. PARCHMENT PAPER.	Agawam Paper Co., Mittineague, Mass.	*75
	Bauchmuller Bros. & Co., Manayunk, Philadelphia, Pa.	
	L. L. Brown Paper Co., Adams, Mass.	*77
	Holyoke Paper Co., Holyoke, Mass.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Riverside Paper Co., Holyoke, Mass.	
	Southworth Co., Mittineague, Mass.	
	West Jersey Paper Co., Camden, N. J.	
	Byron Weston, Dalton, Mass.	*83
	Whiting Paper Co., Holyoke, Mass.	
	Jas. M. Willcox Paper Co., Glen Mills, Pa.	
H. RULED & FOLDED PAPERS.	Crane Bros., Westfield, Mass.	*74
	Z. & W. M. Crane, Dalton, Mass.	*78
	Hampshire Paper Co., S. Hadley Falls, Mass.	
	Holyoke Paper Co., Holyoke, Mass.	
	Geo. B. Hurd & Co., 79 Beekman St., New York.	
	Hurlbut Paper Mfg. Co., S. Lee, Mass.	
	Kettle Paper Co., Turner's Falls, Mass.	
	Massasoit Paper Mfg. Co., Holyoke, Mass.	
	Mount Holly Paper Co., Mount Holly Springs, Pa.	
	Nonotuck Paper Co., Holyoke, Mass.	*246
	Owen Paper Co., Housatonic, Mass.	
	Raynor & Martin, 115 William St., New York.	
	Riverside Paper Co., Holyoke, Mass.	
	Sheffield Mfg. Co., Saugerties, N. Y.	
	Southworth Co., Mittineague, Mass.	
	Valley Paper Co., Holyoke, Mass.	*84
	Whiting Paper Co., Holyoke, Mass.	
	Worthy Paper Co., Mittineague, Mass.	
I. SAFETY PAPERS.	J. & R. Kingsland, Franklin, N. J.	
	Mount Holly Paper Co., Mount Holly Springs, Pa.	
	Riverside Paper Co., Holyoke, Mass.	
J. SERMON PAPERS.	Morgan Envelope Co., Springfield, Mass.	*79
	Owen Paper Co., Housatonic, Mass.	
	Riverside Paper Co., Holyoke, Mass.	
K. TUB-SIZED WRITING PAPERS.	Agawam Paper Co., Mittineague, Mass.	*75
	Beebe & Holbrook Co., Holyoke, Mass.	
	Benton Bros., E. Lee, Mass.	
	L. L. Brown Paper Co., Adams, Mass.	*77
	Carew Mfg. Co., S. Hadley Falls, Mass.	
	Chapin & Gould, Springfield, Mass.	
	Chester Paper Co., Huntington, Mass.	
	Crane Bros., Westfield, Mass.	*74
	Crane & Co., Pittsfield, Mass.	*81
	Z. & W. M. Crane, Dalton, Mass.	*78
	East Hartford Mfg. Co., Burnside, Conn.	
	Fairfield Paper Co., Salmon Falls, Mass.	
	Gilbert Paper Co., Menasha, Wis.	
	Hampshire Paper Co., S. Hadley Falls, Mass.	
	Holyoke Paper Co., Holyoke, Mass.	
	Geo. B. Hurd & Co., 79 Beekman St., New York.	
	Hurlbut Paper Mfg. Co., S. Lee, Mass.	
	Keith Paper Co., Turner's Falls, Mass.	
	Massasoit Paper Mfg. Co., Holyoke, Mass.	
	Mount Holly Paper Co., Mount Holly Springs, Pa.	
	Oakland Paper Co., Manchester, Conn.	
	Old Berkshire Mills Co., Dalton, Mass.	
	Owen Paper Co., Housatonic, Mass.	
	Parsons Paper Co., Holyoke, Mass.	*80
	Riverside Paper Co., Holyoke, Mass.	
	Jas. A. Townsend, Newburgh, N. Y.	
	Valley Paper Co., Holyoke, Mass.	*84
	Whiting Paper Co., Holyoke, Mass.	
	Worthy Paper Co., Mittineague, Mass.	
L. WRITING PAPER IN ROLLS.	Hurlbut Paper Mfg. Co., S. Lee, Mass.	
	Syms & Dudley Paper Co., Holyoke, Mass.	

XXXI. PIPE AND FITTINGS.

2019. BENDS, PIPE.

A. BRASS BENDS.
Belknap Mfg. Co., Bridgeport, Conn.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
J. H. McLain Machine Co., Canton, O. *115
Natl. Pipe Bending Co., 132 River St., New Haven, Conn.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

B. COPPER BENDS.
Belknap Mfg. Co., Bridgeport, Conn.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Natl. Pipe Bending Co., 132 River St., New Haven, Conn.
Thos. Phillips & Co., Providence, R. I.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

C. IRON BENDS.
Belknap Mfg. Co., Bridgeport, Conn
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Natl. Pipe Bending Co., 132 River St., New Haven, Conn.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

D. STEEL BENDS.
Belknap Mfg. Co., Bridgeport, Conn.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
National Pipe Bending Co., 132 River St., New Haven, Conn.

2020. BIBBS.

A. BRASS BIBBS.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Landers, Frary & Clark, New Britain, Conn.
J. H. McLain Machine Co., Canton, O. *115
Peck Bros. & Co., New Haven, Conn.

B. COMPRESSION BIBBS.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Landers, Frary & Clark, New Britain, Conn.
Peck Bros. & Co., New Haven, Conn.

C. DOUBLE BATH BIBBS.
F. H. Holton & Co., 52 Pearl St., Boston, Mass,
McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
Peck Bros. & Co., New Haven, Conn.

D. HOSE BIBBS.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Peck Bros. & Co., New Haven, Conn.

E. STEAM BIBBS.
American Tube & Iron Co., Youngstown, Pa.
Belknap Mfg. Co., Bridgeport, Conn.
F. H. Holton & Co., 52 Pearl St., Boston Mass.
Peck Bros. & Co., New Haven, Conn.

2021. BRASS GOODS, STEAM, GAS & WATER.

Belknap Mfg. Co., Bridgeport, Conn.
Buckeye Iron & Brass Works, Dayton, O.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
A. A. Griffing Iron Co., Jersey City, N. J.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
J. H. McLain Machine Co., Canton, O. *115
Peck Bros. & Co., New Haven, Conn.

A. BRASS BUSHINGS.
Belknap Mfg. Co., Bridgeport, Conn.

2022. COCKS.

A. AIR COCKS.
Belknap Mfg. Co., Bridgeport, Conn.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
A. A. Griffing Iron Co., Jersey City, N. J.
Haydenville Mfg. Co., 73 Beekman St., New York.
Lidgerwood Mfg. Co., 96 Liberty St., New York.
McNab & Harlin Mfg. Co., Paterson, N. J.
Peck Bros. & Co., New Haven, Conn.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.

B. ALE & BEER COCKS.
Haydenville Mfg. Co., 73 Beekman St., New York.
Landers, Frary & Clark, New Britain, Conn.
McNab & Harlin Mfg. Co., Paterson, N. J.
Mayor, Lane & Co., 42 Mott St., New York.
Peck Bros. & Co., New Haven, Conn.

C. ANGLE COCKS.
Pratt & Cady Co., Hartford, Conn.

D. ASBESTOS PACKED COCKS.
Chalmers-Spence Co., 419 E. 8th St., New York.
Fairbanks Co., 311 Broadway, New York.
Pratt & Cady Co., Hartford, Conn.

E. BALL COCKS.
Forest City Brass Works, Cleveland, O.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Peck Bros. & Co., New Haven, Conn.

F. BAR COCKS.
Haydenville Mfg. Co., 73 Beekman St., New York.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.

	Peck Bros. & Co., New Haven, Conn.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
G. BASIN COCKS.	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Mayor, Lane & Co., 42 Mott St., New York.
	Peck Bros. & Co., New Haven, Conn.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
H. BATH COCKS.	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	McNab & Harlin Mfg. Co., Paterson, N. J.
	Peck Bros. & Co., New Haven, Conn.
I. BOTTLERS' COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Landers, Frary & Clark, New Britain, Conn.
	Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
J. BRASS COCKS.	Edward Barr Co., Ltd., 78 John St., New York.
	Boston Brass Co., 36 Oliver St., Boston, Mass.
	A. W. Cadman & Co., Pittsburgh, Pa.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Fowler & Co., Louisville, Ky.
	James Gregory, 106 Cannon St., New York.
	Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Landers, Frary & Clark, New Britain, Conn.
	Mansfield & Co., Ltd., Pittsburgh, Pa.
	Mayor, Lane & Co., 119 Walker St., New York.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	J. H. McLain Machine Co., Canton, O. *115
	McNab & Harlin Mfg. Co., Paterson, N. J.
	H. Mueller Mfg. Co., Decatur, Ill.
	Peck Bros. & Co., New Haven, Conn.
	J. Regester & Sons, Baltimore, Md.
	E. Stebbins Mfg. Co., Springfield, Mass.
K. CHECK COCKS.	H. Mueller Mfg. Co., Decatur, Ill.
L. CISTERN COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
M. COMPRESSION COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Landers, Frary & Clark, New Britain, Conn.
	Mayor, Lane & Co., 42 Mott St., New York.
	Peck Bros. & Co., New Haven, Conn.
N. CONNECTING COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
O. COOLER COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Landers, Frary & Clark, New Britain, Conn.
	Peck Bros. & Co., New Haven, Conn.
P. CORPORATION STOPS.	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Mueller Mfg. Co., Decatur, Ill.
	Peck Bros & Co., New Haven, Conn.
	E. Stebbins Mfg. Co., Springfield, Mass.
Q. COUNTER COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
R. CYLINDER COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Lidgerwood Mfg. Co., 96 Liberty St., New York.
S. GAS COCKS.	American Meter Co., 177 Elm St., Cincinnati, O.
	Belknap Mfg. Co., Bridgeport, Conn.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	A. S. Henn & Co., New Haven, Conn.
	McNab & Harlin Mfg. Co., Paterson, N. J.
	Mitchell-Vance Co., 237 10th Av., New York.
	Peck Bros. & Co., New Haven, Conn.
	Peet Valve Co., 163 Albany St., Boston, Mass.
T. GAUGE COCKS	Belknap Mfg. Co., Bridgeport, Conn.
	Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
	A. Fultons' Sons & Co., Pittsburgh, Pa. *36
	Jenkins Bros., 71 John St., New York.
	John H. McGowan Co., 42 Central Av., Cincinnati, O.
	Peck Bros. & Co., New Haven, Conn.
U. GLOBE COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	Peck Bros. & Co., New Haven, Conn.
V. HOPPER COCKS.	H. Mueller Mfg. Co., Decatur, Ill.
W. HOSE COCKS.	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	Peck Bros. & Co., New Haven, Conn.

	Springfield Brass Co., Springfield, O.
X. IRON COCKS.	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
Y. LAMP POST COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
Z. LIQUOR COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Mayor, Lane & Co., 119 Walker St., New York.
	Peck Bros. & Co., New Haven, Conn.
AA. LOCK COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
BB. METER COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
CC. MILK CAN COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
DD. PETROLEUM COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
EE. RACKING COCKS.	Peck Bros. & Co., New Haven, Conn.
FF. SELF-CLOSING COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	Peck Bros. & Co., New Haven, Conn.
	E. Stebbins Mfg. Co., Springfield, Mass.
GG. STEAM COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	McNab & Harlin Mfg. Co., Paterson, N. J.
	Peck Bros. & Co., New Haven, Conn.
	Peet Valve Co., 163 Albany St., Boston, Mass.
	Wm. Powell Co., 50 Plum St., Cincinnati, O.
HH. STOP COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	Boston Brass Co., 36 Oliver St., Boston, Mass.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Landers, Frary & Clark. New Britain, Conn.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	H. Mueller Mfg. Co., Decatur, Ill.
	Peck Bros. & Co., New Haven, Conn.
	Pratt & Cady Co., Hartford, Conn.
II. UNION COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Peck Bros. & Co., New Haven, Conn.
JJ. URN COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	Landers, Frary & Clark, New Britain, Conn.
	Peck Bros. & Co., New Haven, Conn.
KK. WASTE COCKS.	Belknap Mfg. Co., Bridgeport, Conn.
	Boston Brass Co., 36 Oliver St., Boston, Mass.
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	H. Mueller Mfg. Co., Decatur, Ill.
	Peck Bros. & Co., New Haven, Conn.
LL. WATER COCKS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	McNab & Harlin Mfg. Co., Paterson, N. J.
	H. Mueller Mfg. Co., Decatur, Ill.
	Peck Bros. & Co., New Haven, Conn.
MM. WATER WORKS STOPS, ROUGH.	Brass & Iron Works Co., Fostoria, O.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	H. Mueller Mfg. Co., Decatur, Ill.
	E. Stebbins Mfg. Co., Springfield, Mass.

2023. COILS, PIPE.

A. BRASS COILS.	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	National Pipe Bending Co., 132 River St., New Haven, Conn.
	Thos. Phillips & Co., Providence, R. I.
B. COPPER COILS.	Fort Scott Foundry & Machine Works Co., Fort Scott, Kan.
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.
	National Pipe Bending Co., 132 River St., New Haven, Conn.
	Thos. Phillips & Co., Providence, R. I.
	Ribon & March, 1st & Provost Sts., Jersey City, N. J.
C. ICE MACHINE COILS.	National Pipe Bending Co., New Haven, Conn.
D. IRON COILS.	Dickson Mfg. Co., Scranton, Pa.
	National Pipe Bending Co.. 132 River St., New Haven, Conn.

E. REFRIGERATING MACHINE COILS. National Pipe Bending Co., 132 River St., New Haven, Conn.

F. STEEL COILS. National Pipe Bending Co., 132 River St., New Haven, Conn.

2024. CORRUGATED BOILER FLUES.

Continental Iron Works, Calyer & West Sts., Brooklyn. N. Y.

2025. COUPLINGS, PIPE.

Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Akron Iron Co. Akron, O.
Belknap Mfg. Co., Bridgeport, Conn.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.

A. AUTOMATIC PIPE COUPLINGS. Curtis Regulator Co., 63 Beverly St., Boston, Mass.

2026. ELBOWS, PIPE.

Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Dickson Mfg. Co., Scranton, Pa.
Murray Kerr Mfg. Co., Fort Wayne, Ind.

A. BRASS ELBOWS. Belknap Mfg. Co., Bridgeport, Conn.

2027. EXHAUST PIPE HEADS.

Kensington Engine Works, Ltd., Beach & Vienna Sts., Phila., Pa.
Watson & McDaniel, 144 N. 7th St., Philadelphia, Pa.

2028. EXPANSION JOINTS.

Dickson Mfg. Co., Scranton, Pa.
McNab & Harlin Mfg. Co., Paterson, N. J.
Wainwright Mfg. Co., 8 Oliver St., Boston, Mass.

2029. HYDRANTS.

Bailey, Farrell & Co., Pittsburgh, Pa.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Chapman Valve Mfg. Co., Indian Orchard, Mass. *37
Cunningham Iron Works Co., 29 Water St., Boston, Mass.
Eddy Valve Co., Waterford, N. Y.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Gloucester Iron Works, 703 Provident Building, Phila., Pa.
Goulds Mfg. Co., Seneca Falls, N. Y.
Haydenville Mfg. Co., 73 Beekman St., New York.
Daniel Kennedy, 52 Cliff St., New York.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silver Mfg. Co., Salem, O. *205
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

A. FIRE HYDRANTS. I. S. Cassin & Co., Germantown Av. & 2d St., Philadelphia, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass. *37
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Eddy Valve Co., Waterford, N. Y.
W. T. Garratt & Co., San Francisco, Cal.
Gloucester Iron Works, 703 Provident Building, Phila., Pa.
Goulds Mfg. Co., Seneca Falls, N. Y.
Holyoke Hydrant & Iron Works, Holyoke, Mass.
Jonson Foundry & Machine Co., foot of E. 118th St., New York.
Daniel Kennedy, 52 Cliff St., New York.
Ludlow Valve Mfg. Co.. Troy, N. Y.
Mellert Foundry & Machine Co., Ltd.. Reading, Pa.
N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.
Tamaqua Mfg. Co., Tamaqua, Pa.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

B. HYDRANT POSTS. Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.

C. WATER WORKS HYDRANTS. Edward Barr Co., Ltd., 78 John St., New York.
Eddy Valve Co., Waterford, N. Y.
Daniel Kennedy, 52 Cliff St., New York.

D. YARD HYDRANTS. W. & B. Douglas, Middletown, Conn. *162
Eddy Valve Co., Waterford, N. Y.
Ludlow Valve Co., Troy, N. Y.
N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.
Rumsey & Co., Ltd., 107 Liberty St., New York.
U. S. Wind Engine & Pump Co., Batavia, Ill.

2030. PIPE.

A. BLAST PIPE. Dickson Mfg. Co., Scranton, Pa.
Sharon Boiler Works, Ltd., Sharon, Pa.
Union Steam Boiler Works, Allentown, Pa.

B. BLOCK TIN PIPE. Selby Smelting & Lead Co., San Francisco, Cal.

C. BRASS PIPE. Bridgeport Brass Co., Bridgeport, Conn. *27
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Fowler & Co., Louisville, Ky.
W. T. Garratt & Co., San Francisco, Cal.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
National Pipe Bending Co., 132 River St., New Haven, Conn.

D. CAST IRON PIPE, GAS, STEAM & WATER. Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
American Tube & Iron Co., Youngstown, Pa.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.

Bridgeport Boiler Works, Bridgeport, Conn.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Chattanooga Foundry & Pipe Works, Chattanooga, Tenn.
Davis & Farnum Mfg. Co., Waltham, Mass.
Detroit Pipe & Foundry Co., Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Donaldson Iron Co., Emaus, Pa.
Erie City Foundry, Erie, Pa.
Fulton Iron Works, San Francisco, Cal.
Gloucester Iron Works, 703 Provident Bldg., Philadelphia, Pa
Joshua Hendy Machine Works, San Francisco, Cal.
Jackson & Woodin Mfg. Co., Berwick, Pa.
Murray Kerr Mfg. Co., Fort Wayne, Ind.
Lake Shore Foundry, Cleveland, O.
Livermore Foundry & Machine Co., Memphis, Tenn.
McNeal Pipe & Foundry Co., Burlington, N. J.
Mellert Foundry & Machine Co., Ltd., Reading, Pa.
Michigan Pipe Co., Bay City, Mich.
National Foundry & Pipe Works, Ltd., Scott Dale, Pa.
Nelsonville Foundry & Machine Co., Nelsonville, O.
Ohio Pipe Co., Columbus, O.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Wm. Price Co., Pittsburgh, Pa.
Reading Foundry Co., Ltd., Reading, Pa.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Sayre Pipe Foundry, Sayre, Pa.
Shickle, Harrison & Howard Iron Co., 12th St., St. Louis, Mo.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Warren Foundry & Machine Co., Phillipsburg, N. J.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

E. COPPER PIPE.
National Pipe Bending Co., 132 River St., New Haven, Conn.
Thos. Phillips Mfg. Co., Bridgeport, Conn.
Taunton Copper Mfg. Co., Taunton, Mass. *51

F. CROWN PIPES.
Belknap Mfg. Co., Bridgeport, Conn.

G. CULVERT PIPE, CAST IRON.
Buffalo Cast Iron Pipe Co., Buffalo, N. Y.
Detroit Pipe & Foundry Co., Detroit, Mich.
Donaldson Iron Co., Emaus, Pa.
Gloucester Iron Works, 703 Provident Bldg., Philadelphia, Pa.
Lake Shore Foundry, Cleveland, O.
John Lyth & Sons, Buffalo, N. Y.
Mellert Foundry & Machine Co., Ltd., Reading, Pa.
National Foundry & Pipe Works, Ltd., Scott Dale, Pa.
Warren Foundry & Machine Co., Phillipsburg, N. J.
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.

H. DRIVE WELL PIPE.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube & Iron Co., Youngstown, Pa.
Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.
National Tube Works Co., 160 Broadway, New York.

I. ENAMELLED PIPE.
Cunningham Iron Works Co., 29 Water St., Boston, Mass.
Pike Mfg. Co., 69 Federal St., Boston, Mass.

J. FLANGE PIPE.
Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
American Tube & Iron Co., Youngstown, Pa.
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
McNeal Pipe & Foundry Co., Burlington, N. J.
Mellert Foundry & Machine Co., Ltd., Reading, Pa.
Ohio Pipe Co., Columbus, O.
Warren Foundry & Machine Co., Phillipsburg, N. J.

K. GALVANIZED IRON PIPE.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube & Iron Co., Youngstown, Pa.
Cunningham Iron Works Co., 29 Water St., Boston, Mass.
Delaware Iron Co., 224 S. 3d St., Philadelphia, Pa.
Pennsylvania Tube Co., Pittsburgh, Pa.

L. LEAD PIPE.
John D. Abraham, 21 E. 9th St., Cincinnati, O.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Colwell Lead Co., 63 Centre St., New York.
Detroit Lead Pipe & Sheet Lead Works, Detroit, Mich.
Mayor, Lane & Co., 119 Walker St., New York.
N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.
Thos. Phillips & Co., Providence, R. I.
Pueblo Smelting & Refining Co., Pueblo, Col.

Reading Iron Co., Reading, Pa.
Salem Lead Co., Salem, Mass.
Selby Smelting & Lead Co., San Francisco, Cal.
Tatham & Bros., 226 S. 5th St., Philadelphia, Pa.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

M. LEAD PIPE, TIN LINED.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.
Chadwick Lead Works, 176 High St., Boston, Mass.
Colwell Lead Co., 63 Centre St., New York.
Raymond Lead Co., 51 W. Lake St., Chicago, Ill.
E. Van Noorden, 383 Harrison Av., Boston, Mass.

N. OIL LINE PIPE.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube & Iron Co., Youngstown, Pa.
A. M. Byers & Co., Pittsburgh, Pa.
Delaware Iron Co., 224 S. 3d St., Philadelphia, Pa.
National Tube Works Co., 160 Broadway, New York.
Pennsylvania Tube Co., Pittsburgh, Pa.
Reading Iron Co., Reading, Pa.

O. RIVETED PIPES, IRON.
Samuel Booth, 543 W. 35th St., New York.
Wm. B. Pollock & Co., Youngstown, O.
Francis Smith & Co., San Francisco, Cal.

P. RUSTLESS IRON PIPE.
Wells Rustless Iron Co., 21 Cliff St., New York.

Q. SOIL PIPES, IRON.
Abendroth Bros., 109 Beekman St., New York.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
J. Regester & Sons, Baltimore, Md.

R. SOIL PIPES, PORCELAIN LINED.
Standard Mfg. Co., Pittsburgh, Pa. *49

S. SPIRAL RIVETED PIPE.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.

T. STEEL PIPE.
American Tube & Iron Co., Youngstown, O.
Raymond Lead Co., 51 W. Lake St., Chicago, Ill.
Riverside Iron Works, Wheeling, W. Va.

U. STREET DRIPS.
Murray Kerr Mfg. Co., Fort Wayne, Ind.

V. TAN LIQUOR PIPE.
A. Wyckoff & Son, Elmira, N. Y.
Wyckoff Pipe Co., Williamsport, Pa.

W. TIN PIPES.
Bailey, Farrell & Co., Pittsburgh, Pa.
Boston Lead Mfg. Co., 162 Congress St., Boston, Mass.

X. WELL PIPES.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Pierce Mfg. Co., Bridgeport, Conn.
Racine Cement & Pipe Co., Racine, Wis.

Y. WOODEN WATER PIPE.
Ayrault Bros. & Co., Tonawanda, N. Y.
Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
Howard & Jenkins, Syracuse, N. Y.
Michigan Pipe Co., Bay City, Mich.
Peoria Pump & Implement Co., Peoria, Ill.
A. Wyckoff & Son, Elmira, N. Y.

Z. WROUGHT IRON PIPE, STEAM, GAS & WATER.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube Works, Youngstown, O.
A. M. Byers & Co., Pittsburgh, Pa.
Chester Pipe & Tube Co., 267 S. 4th St., Philadelphia, Pa.
Conshohocken Tube Co., Conshohocken, Pa.
Crane Co., Omaha, Neb.
Curtis & Co., Cohoes, N. Y.
Duquesne Tube Works Co., Pittsburgh, Pa.
T. B. Everson, Pittsburgh, Pa.
James Hooven, Norristown, Pa.
Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.
National Tube Works Co., McKeesport, Pa.
Oil City Tube Co., Oil City, Pa.
Paige Tube Co., Warren, O. *40–3
Pennsylvania Tube Works, Pittsburgh, Pa.
Pittsburgh Tube Co., Pittsburgh, Pa.
Reading Iron Co., Reading, Pa.
Riverside Iron Works, Wheeling, W. Va.
Spang, Chalfant & Co., Pittsburgh, Pa.
Syracuse Tube Co., Syracuse, N. Y.
Tyler Tube & Pipe Co., Washington, Pa.

2031. PIPE FITTINGS, STEAM, GAS & WATER.

Bailey, Farrell & Co., Pittsburgh, Pa.
H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Best, Fox & Co., Pittsburgh, Pa.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Cox & Sons, 204 N. 4th St., Philadelphia, Pa.
Crane Co., Omaha, Neb.
Cunningham Iron Works Co., 29 Water St., Boston, Mass.
Curtis & Co., Cohoes, N. Y.

John Davis Co., 69 Michigan St., Chicago, Ill.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Stanley G. Flagg Co., 19th St. & Penn. Av., Philadelphia, Pa.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Haydenville Mfg. Co., 73 Beekman St., New York.
Jarecki Mfg. Co., Ltd., Erie, Pa.
E. Keeler Co., Williamsport, Pa.
Daniel Kennedy, 52 Cliff St., New York.
Livermore Foundry & Machine Co., Memphis, Tenn.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
McHose & Lyon Co., Dayton, O.
Pancoast & Maule, 243 S. 3d St., Philadelphia, Pa.
Peck Bros. & Co., New Haven, Conn.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Racine Hardware Mfg. Co., Racine, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

A. BRASS PIPE FITTINGS.
Belknap Mfg. Co., Bridgeport, Conn.
Cleveland Gas Fixture Mfg. Co., Cleveland, O.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Fieldhouse & Dutcher Mfg. Co., 32 W. Monroe St., Chicago, Ill.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Jarecki Mfg. Co., Ltd., Erie, Pa.
J. H. McLain Machine Co., Canton, O. *115
Peck Bros. & Co., New Haven, Conn.
Providence Steam & Gas Pipe Co., Providence, R. I.
Racine Hardware Mfg. Co., Racine, Wis.
Springfield Brass Co., Springfield, O.

B. CAST IRON PIPE FITTINGS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube & Iron Co., Youngstown, Pa.
Edward Barr Co., Ltd., 78 John St., New York.
Belknap Mfg. Co., Bridgeport, Conn.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Clark & Hawley, 15 E. 9th St., Cincinnati, O.
Fieldhouse & Dutcher Mfg. Co., 32 W. Monroe St., Chicago, Ill.
W. T. Garratt & Co., San Francisco, Cal.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Jarecki Mfg. Co., Ltd., Erie, Pa.
McHose & Lyon Co., Dayton, O.
Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.
Owen & Salter, N. 12th & Buttonwood Sts., Philadelphia, Pa.
Pancoast & Maule, 243 S. 3d St., Philadelphia, Pa.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

C. DRAIN PIPE FITTINGS.
American Tube & Iron Co., Youngstown, Pa.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
J. L. Mott Iron Works, 90 Beekman St., New York.
Pacific Clay Mfg. Co., S. Riverside, Cal.

D. MALLEABLE IRON PIPE FITTINGS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube & Iron Co., Youngstown, Pa.
Edward Barr Co., Ltd., 78 John St., New York.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Curtis & Co., Cohoes, N. Y.
Thos. Devlin & Co., N. 3d St. cor. Lehigh Av., Philadelphia, Pa.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Stanley G. Flagg & Co., 19th St. & Penn. Av., Philadelphia, Pa.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Jarecki Mfg. Co., Ltd., Erie, Pa.
Malleable Iron Fittings Co., Branford, Conn.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

E. SOIL PIPE FITTINGS.
American Tube & Iron Co., Youngstown, Pa.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Curtis & Co., Cohoes, N. Y.
Pacific Clay Mfg. Co., S. Riverside, Cal.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Standard Mfg. Co., Pittsburgh, Pa. *49

F. SUCTION TEES.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Watson & McDaniels, 144 N. 7th St., Philadelphia, Pa.

G. WROUGHT IRON PIPE FITTINGS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
American Tube & Iron Co., Youngstown, Pa.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.

	Providence Steam & Gas Pipe Co., Providence, R. I.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
2032. PUMP CONNECTIONS.	Shickle, Harrison & Howard Iron Co., 12th St., St. Louis, Mo.	
2033. SPRINKLERS.		
A. GARDEN & LAWN SPRINKLERS.	Frontier Iron & Brass Works, Detroit, Mich.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Mast, Foos & Co., Springfield, O.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	Norwich Lock Mfg. Co., Norwich, Conn.	
	Peck Bros. & Co., New Haven, Conn.	
	Union Mfg. Co., New Britain, Conn.	*124
B. STREET SPRINKLERS.	Abbott Downing Co., Concord, N. H.	
	Granger Foundry & Machine Co., Providence, R. I.	
C. STREET WASHERS.	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.	
2034. STAND PIPES.	Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa,	*148
	R. F. Hawkins, Springfield, Mass.	
	E. Hodge & Co., 160 Liverpool St., E. Boston, Mass.	
	Marshall Bros., Pittsburgh, Pa.	
	Porter Boiler Mfg. Co., S. Chicago, Ill.	
	Riter & Conley, Pittsburgh, Pa.	
	Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.	
	Scannell & Wholey, Lowell, Mass.	
	Sharon Boiler Works, Ltd., Sharon, Pa.	
	Shickle, Harrison & Howard Iron Co., 12th St., St. Louis, Mo.	
	Union Steam Boiler Works, Allentown, Pa.	
A. RAILWAY STAND PIPES.	A. Fulton's Sons & Co., Pittsburgh, Pa.	*36
	King Iron Bridge & Mfg. Co., Cleveland, O.	
	John N. Poage, Court & Harriet Sts., Cincinnati, O.	
	Sheffield Velocipede Car Co., Three Rivers, Mich.	
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
	Webber & Philbrick, Waterville, Me.	
2035. SUCTION FITTINGS.	Watson & McDaniel, 144 N. 7th St., Philadelphia, Pa.	
2036. TUBES.		
A. BOILER TUBES.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Tube and Iron Co., Youngstown, Pa.	
	A. M. Byer & Co., Pittsburgh, Pa.	
	Chester Pipe & Tube Co., 267 S. 4th St., Philadelphia, Pa.	
	Conshohocken Tube Co., Conshohocken, Pa.	
	Crane Co., Omaha, Neb.	
	Curtis & Co., Cohoes, N. Y.	
	Duquesne Tube Works Co., Pittsburgh, Pa.	
	T. B. Everson, Pittsburgh, Pa.	
	James Hooven, Morristown, Pa.	
	Kellogg Seamless Tube & Mfg. Co., 40 Water St., Boston, Mass.	
	Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.	
	National Tube Works Co., 70 Federal St., Boston, Mass.	
	Oil City Tube Co., Oil City, Pa.	
	Pennsylvania Tube Works, Pittsburgh, Pa.	
	Pittsburgh Tube Works, Pittsburgh, Pa.	
	Reading Iron Co., Reading, Pa.	
	Riverside Iron Works, Wheeling, W. Va.	
	Spang, Chalfant & Co., Pittsburgh, Pa.	
	Syracuse Tube Co., Syracuse, N. Y.	
	Tyler Tube & Pipe Co., Washington, Pa.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
B. BOILER TUBES, BUTT WELDED.	Kellogg Seamless Tube & Mfg. Co., 40 Water St., Boston, Mass.	
	Lookout Iron Co., Chattanooga, Tenn.	
C. BOILER TUBES, LAP WELDED.	Allison Mfg. Co., 32d and Walnut Sts., Philadelphia, Pa.	
	Reading Iron Co., Reading, Pa.	
D. BOILER TUBES, LOCOMOTIVE.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Tube & Iron Co., 50 S. Canal St., Chicago, Ill.	
	National Tube Works Co., 70 Federal St., Boston, Mass.	
E. BRASS TUBES.	American Tube Works, 79 State St., Boston, Mass.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	E. D. Griggs, 61 Duane St., New York.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Manhattan Brass Co., 338 E. 28th St., New York.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Randolph & Clowes, Waterbury, Conn.	
	Seymour Mfg. Co., Seymour, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	

	Wallace & Sons, 29 Chambers St., New York.	
	Waterbury Brass Co., Waterbury, Conn.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
F. BRASS TUBES, LOCKED SEAMED.	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
G. BRASS TUBES, SEAMLESS.	American Tube Works, 79 State St., Boston, Mass.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Wallace & Sons, Ansonia, Conn.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
H. BRONZE TUBES.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	De-Oxidized Metal Co., Bridgeport, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
I. COPPER TUBES.	American Tube Works, 79 State St., Boston, Mass.	
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Thos. Phillips & Co., Providence, R. I.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Randolph & Clowes, Waterbury, Conn.	
	Seymour Mfg. Co., Seymour, Conn.	
	Wallace & Sons, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
J. COPPER TUBES, SEAMLESS.	American Tube Works, 79 State St., Boston, Mass.	
	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Randolph & Clowes, Waterbury, Conn.	
	Wallace & Sons, Ansonia, Conn.	
K. CORRUGATED TUBING.	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.	
	Wainwright Mfg. Co. of Mass., 8 Oliver St., Boston, Mass.	
	Wallace & Sons, Ansonia, Co .n.	
L. GERMAN SILVER TUBING.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Randolph & Clowes, Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Seymour Mfg. Co., Seymour, Conn.	
M. OIL WELL TUBING.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Tube & Iron Co., Youngstown, Pa.	
	A. M. Byers & Co., Pittsburgh, Pa.	
	Morris, Tasker & Co., 224 S. 3d St., Philadelphia, Pa.	
	Pennsylvania Tube Co., Pittsburgh, Pa.	
	Reading Iron Co., Reading, Pa.	
N. PUMP TUBING.	American Tube & Iron Co., Youngstown, Pa.	
	Wyckoff Pipe Co., Williamsport, Pa.	
O. STEEL TUBING.	Horton Mfg. Co., Bristol, Conn.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
P. WELL TUBING.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.	
	American Tube & Iron Co., 50 S. Canal St., Chicago, Ill,	
	A. M. Byers & Co., Pittsburgh, Pa.	
	Iowa Pipe & Tile Co., Des Moine, Iowa.	
	Pacific Clay Mfg. Co., S. Riverside, Cal.	
	Reading Iron Co., Reading, Pa.	
	N. U. Walker Clay Mfg. Co., Walkers, O.	
Q. WOOD TUBING.	Cole Bros., Greencastle, Ind.	
	Otis W. Stearns & Son, Johnson, Vt.	
	Peoria Pump & Implement Co., Peoria, Ill.	
	Union Mfg. Co., New Britain, Conn.	*124
	A. Wyckoff & Son, Elmira, N. Y.	
R. ZINC TUBING.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Randolph & Clowes, Waterbury, Conn.	
2037. UNIONS.	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.	
	Belknap Mfg Co., Bridgeport, Conn.	
	Boston Brass Co., 36 Oliver St., Boston, Mass.	
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
2038. VALVES.		
A. ACID VALVES.	Ashton Valve Co., 271 Franklin St., Boston, Mass.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37

	Eddy Valve Co., Waterford, N. Y.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
B. AMMONIA VALVES.	Ashton Valve Co., 271 Franklin St., Boston, Mass.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Eddy Valve Co., Waterford, N. Y.	
	Fairbanks Co., 311 Broadway, New York.	
	Frick Co., Waynesboro', Pa.	*153
	Daniel Kennedy, 52 Cliff St., New York.	
	Nason Mfg. Co., 71 Beekman St., New York.	
C. ANGLE VALVES.	Belknap Mfg. Co., Bridgeport, Conn.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Fairbanks Co., 311 Broadway, New York.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	Peck Bros. & Co., New Haven, Conn.	
	Springfield Brass Co., Springfield, O.	
D. ASBESTOS PACKED VALVES.	Chalmers-Spence Co., 419 8th St., New York.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Fairbanks Co., 311 Broadway, New York.	
E. BALANCED VALVES.	Belknap Mfg. Co., Bridgeport, Conn.	
	H. F. Frisbie, 43 Water St., Cincinnati, O.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	F. A. Richardson (Estate of), Troy, N. Y.	
	Ross Valve Co., Troy, N. Y.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
F. BIBB VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
G. BRASS VALVES.	Edward Barr Co., Ltd., 78 John St., New York.	
	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	A. W. Cadman & Co., Pittsburgh, Pa.	
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	Eddy Valve Co., Waterford, N. Y.	
	Fairbanks Co., 311 Broadway, New York.	
	James Gregory, 106 Cannon St., New York.	
	Hardwick & Ware Mfg. Co., Buffalo, N. Y.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	John H. McGowan Co., 42 Central Av., Cincinnati, O.	
	Mansfield & Co., Ltd., Pittsburgh, Pa.	
	Peck Bros. & Co., New Haven, Conn.	
	Providence Steam & Gas Pipe Co., Providence, R. I.	
	J. Regester & Sons, Baltimore, Md.	
	Rensselaer Mfg. Co., Troy, N. Y.	
	Springfield Brass Co., Springfield, O.	
H. BUTTERFLY VALVES.	Belknap Mfg. Co., Bridgeport, Conn.	
I. CHECK VALVES.	Belknap Mfg. Co., Bridgeport, Conn.	
	Eddy Valve Co., Waterford, N. Y.	
	Fairbanks Co., 311 Broadway, New York.	
	F. H. Holton & Co., 52 Pearl St., Boston, Mass.	
	Jenkins Bros., 71 John St., New York.	
	Locke Bros., Salem, Mass.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	Peck Bros. & Co., New Haven, Conn.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Worthington Pumping Engine Co., 145 B'way, New York.	*241
J. CHRONOMETER VALVES.	Union Water Meter Co , Worcester, Mass.	
K. CORNER VALVES.	A. A. Griffing Iron Co., Jersey City, N. J.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
L. CROSS VALVES.	Belknap Mfg. Co., Bridgeport, Conn.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Jenkins Bros., 71 John St., New York.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
M. DRIP VALVES.	Chapman Valve Mfg. Co., Indian Orchard. Mass.	*37
N. FLUSHING VALVES.	Ludlow Valve Mfg. Co., Troy, N. Y.	

	John Royle & Sons, Paterson, N. J.	
O. GAS GATES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
P. GAS VALVES.	Ashton Valve Co., 271 Franklin St., Boston, Mass.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Curtis & Co., Cohoes, N. Y.	
	Eddy Valve Co., Waterford, N. Y.	
	W. T. Garratt & Co., San Francisco, Cal.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Hillard, Sterrit & Co., Ltd., Pittsburgh, Pa.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	John H. McGowan Co., 42 Central Av., Cincinnati, O.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Peet Valve Co., 163 Albany St., Boston, Mass.	
	P. H. & F. M. Roots Co., Connersville, Ind.	
	Whittier Machine Co., 1176 Tremont St., Boston, Mass.	
Q. GATE VALVES.	Albany Steam Trap Co., Albany, N. Y.	
	Ashton Valve Co., 271 Franklin St., Boston, Mass.	
	Brass & Iron Works Co., Fostoria, O.	
	Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Curtis & Co., Cohoes, N. Y.	
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	Eddy Valve Co., Waterford, N. Y.	
	Fairbanks Co., 311 Broadway, New York.	
	Frontier Iron & Brass Works, Detroit, Mich.	
	Galvin Brass & Iron Works, Detroit, Mich.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Jenkins Bros., 71 John St., New York.	
	Jonson Foundry & Machine Co., ft. E. 118th St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	John H. McGowan Co., 42 Central Av., Cincinnati, O.	
	Peck Bros. & Co., New Haven, Conn.	
	Peet Valve Co., 163 Albany St., Boston, Mass.	
	John N. Poage, Court & Harriet Sts., Cincinnati, O.	
	Rensselaer Mfg. Co., Troy, N. Y.	
	Ross Valve Co., Troy, N. Y.	
R. GLOBE VALVES.	Albany Steam Trap Co., Albany, N. Y.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Fairbanks Co., 311 Broadway, New York.	
	W. T. Garratt & Co., San Francisco, Cal.	
	W. A. Griffing Iron Co., Jersey City, N. J.	
	Jenkins Bros., 71 John St., New York.	
	Kelly & Jones Co., Pittsburgh, Pa.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lidgerwood Mfg. Co., 96 Liberty St., New York.	
	Locke Bros., Salem, Mass.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	Peck Bros. & Co., New Haven, Conn.	
	Peet Valve Co., 163 Albany St., Boston, Mass.	
	Wm. Powell Co., 50 Plumb St., Cincinnati, O.	
S. HEAVY PRESSURE VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
T. HOSE VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
U. HYDRAULIC VALVES.	Ashton Valve Co., 271 Franklin St., Boston, Mass.	
	Eddy Valve Co., Waterford, N. Y.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Ross Valve Co., Troy, N. Y.	
	T. Shaw, 915 Ridge Av., Philadelphia, Pa.	
V. INDICATOR VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
W. IRON VALVES.	H. Belfield & Co., 435 N. Broad St., Philadelphia, Pa.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	Eddy Valve Co., Waterford, N. Y.	
	Fairbanks Co., 311 Broadway, New York.	
	Gloucester Iron Works, 703 Provident Bldg, Philadelphia, Pa.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	Providence Steam & Gas Pipe Co., Providence, R. I.	
X. LEVER VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Daniel Kennedy, 52 Cliff St., New York.	

	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	U. S. Wind Engine & Pump Co., Batavia, Ill.	
Y. LOCK VALVES.	Cheney Bigelow Wire Works, Springfield. Mass.	
	P. P. Emory Mfg. Co., Springfield, Mass.	
Z. NATURAL GAS VALVES.	Chaplin, Fulton & Co., Ltd., 91 1st Av., Pittsburgh, Pa.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Daniel Kennedy, 52 Cliff St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Rensselaer Mfg. Co., Troy, N. Y.	
AA. OIL VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Rensselaer Mfg. Co., Troy, N. Y.	
BB. QUICK OPENING VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Fairbanks Co., 311 Broadway, New York.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	Nason Mfg. Co., 71 Beekman St., New York.	
	Rensselaer Mfg. Co., Troy, N. Y.	
CC. RADIATOR VALVES.	Belknap Mfg. Co., Bridgeport, Conn.	
	Boston Brass Co., 36 Oliver St., Boston, Mass.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	Fairbanks Co., 311 Broadway, New York.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
DD. REDUCING VALVES.	Chaplin, Fulton & Co., Ltd., Pittsburgh, Pa.	
	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	Geo. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	H. Mueller Mfg. Co., Decatur, Ill.	
	Ross Valve Co., Troy, N. Y.	
EE. SERVICE VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
FF. SEWER VALVES.	Taws & Hartman, 1235 N. Front St., Philadelphia, Pa.	
GG. STEAM VALVES.	Chaplin, Fulton & Co., Ltd., Pittsburgh, Pa.	
	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Crosby Steam Gage & V. Co., 93 Oliver St., Boston, Mass.	*128
	Curtis & Co., Cohoes, N. Y.	
	Curtis Regulator Co., 63 Beverly St., Boston, Mass.	
	G. M. Davis & Co., 26 S. Jefferson St., Chicago, Ill.	
	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
	Eddy Valve Co., Waterford, N. Y.	
	Fairbanks Co., 311 Broadway, New York.	
	M. Garland, Bay City, Mich.	
	A. A. Griffing Iron Co., Jersey City, N. J.	
	Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.	
	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Jenkins Bros., 71 John St., New York.	
	Daniel Kennedy, 52 Cliff St., New York.	
	Lawrence Machine Co., Lawrence, Mass.	
	Ludlow Valve Mfg. Co., Troy, N. Y.	
	Lunkenheimer Brass Mfg. Co., 15 E. 8th St., Cincinnati, O.	
	John H. McGowan Co., 42 Central Av., Cincinnati, O.	
	McNab & Harlin Mfg. Co., Paterson, N. J.	
	Mason Regulator Co., 10 Central St., Boston, Mass.	
	Peet Valve Co., 163 Albany St., Boston, Mass.	
	Rensselaer Mfg. Co., Troy, N. Y.	
	Ross Valve Co , Troy, N. Y.	
	Union Water Meter Co., Worcester, Mass.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	Whittier Machine Co., 1176 Tremont St., Boston, Mass.	
HH. TANK VALVES.	American Steam Gauge Co., 36 Chardon St., Boston, Mass.	
	Belknap Mfg. Co., Bridgeport, Conn.	
	Daniel Kennedy, 52 Cliff St., New York.	
	John N. Poage, Court & Harriet Sts., Cincinnati, O.	
II. WASTE VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37
	Daniel Kennedy, 52 Cliff St., New York.	
	John Royle & Sons, Paterson, N. J.	
JJ. WATER VALVES.	Chapman Valve Mfg. Co., Indian Orchard, Mass.	*37

Curtis & Co., Cohoes, N. Y.
Fairbanks Co., 311 Broadway, New York.
W. T. Garratt & Co., San Francisco. Cal.
Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.
Haydenville Mfg. Co., 73 Beekman St., New York.
Jenkins Bros., 71 John St., New York.
Daniel Kennedy, 52 Cliff St., New York.
Lawrence Machine Co., Lawrence, Mass.
Ludlow Valve Mfg. Co., Troy, N. Y.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
McNab & Harlin Mfg. Co., Paterson, N. J.
Peet Valve Co., 163 Albany St., Boston, Mass.
Rensselaer Mfg. Co., Troy, N. Y.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Whittier Machine Co., 1176 Tremont St., Boston, Mass.

KK. WATER WORKS GATES.
Edward Barr Co., Ltd., 78 John St., New York.
Chapman Valve Mfg. Co., Indian Orchard, Mass. *37
Dickson Mfg. Co., Scranton, Pa.
Joshua Hendy Mach. Works, 39 Fremont St., San Francisco, Cal.
Daniel Kennedy, 52 Cliff St., New York.
Ludlow Valve Mfg. Co., Troy, N. Y.
Rensselaer Mfg. Co., Troy, N. Y.

LL. WHISTLE VALVES.
Belknap Mfg. Co., Bridgeport, Conn.

MM. WIND MILL FLOAT VALVES.
American Well Works, Aurora, Ill.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Daniel Kennedy, 52 Cliff St., New York.
Monitor Mfg. Co., Auburn, Ind.
Sandwich Enterprise Co., Sandwich, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Zimmerman Mfg. Co., Auburn, Ind.

NN. "Y" VALVES.
Jenkins Bros., 71 John St., New York.

2039. VALVE FITTINGS.
Common Sense Met. Packing Co., 202 W. Houston St., New York.
Jenkins Bros., 71 John St., New York.
Watson & Stillman, 201 E. 43d St., New York.

2040. WATER COLUMNS.

A. COMBINATION WATER COLUMNS.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.

B. RAILROAD WATER COLUMNS.
Laidlaw & Dunn Co., Pearl & Plum Sts., Cincinnati, O.
Sheffield Velocipede Car Co., Three Rivers, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.

XXXII. PROVISIONS AND GROCERIES.

2041. BACON.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
James E. Booge & Sons, Sioux City, Iowa.
Washington Butcher's Sons, 2 Sherman St., Chicago, Ill.
G. Cassard & Son, Baltimore, Md.
Cudahy Packing Co., South Omaha, Neb.
Chas. Davis & Co., Spring Grove Av., Cincinnati, O.
Jacob Dold Packing Co., Buffalo., N. Y.
F. A. Ferris & Co., 264 Mott St., New York.
International Packing Co., 169 Jackson St., Chicago, Ill.
John J. O'Leary & Sons, St. Paul, Minn.
Roth & Meyer Packing Co., 74 Gest St., Cincinnati, O.
Silberhorn Bros., 94 Chrystie St., New York.
Wm. H. Silberhorn Co., 169 Jackson St., Chicago, Ill.
T. M. Sinclair & Co., Cedar Rapids, Iowa.
Swift & Co., Union Stock Yards, Chicago, Ill.
Francis Whittaker & Sons, 7th & Carr Sts., St. Louis, Mo.

2042. BAKING POWDER.
Bothin Mfg. Co., San Francisco, Cal.
Chapman & Smith Co., 136 W. Washington St., Chicago, Ill.
Cleveland Baking Powder Co., 81 Fulton St., New York.
R. B. Davis, 15 Hudson St., New York.
J. P. Dieter, Chillicothe, O.
Donnell Mfg. Co., 105 S. 7th St., St. Louis, Mo.
Eddy & Eddy, 709 N. Main St., St. Louis, Mo.
J. C. Grant Baking Powder Co., 46 N. Halsted St., Chicago, Ill.

Geo. V. Hecker & Co., 205 Cherry St., New York.
Hughes Bros. Mfg. Co., Dallas, Tex.
Enos F. Jones Chem. Co., 352 Washington St., New York.
Geo. Leis Mfg. Co., Lawrence, Kan.
Meyer & Bain Mfg. Co., 319 N. Main St., St. Louis, Mo.
Mound City Chemical Works, 3507 Florissant Av., St. Louis, Mo.
C. A. Murdock & Co., Kansas City, Mo.
Price Baking Powder Co., 184 Michigan St., Chicago, Ill.
Pure Baking Powder Co., Albany, N. Y.
Royal Baking Powder Co., 106 Wall St., New York.
Rumford Chemical Works, Providence, R. I.
Taylor Mfg. Co., 416 N. 4th St., St. Louis, Mo.
Telfer Spice Co., Grand Rapids, Mich.
Thomson & Taylor Spice Co., 66 Michigan Av., Chicago, Ill.
Vouwie Bros., Cleveland, O.
Wood & Selick, 49 Jay St., New York.

2043. BISCUITS.

American Biscuit & Mfg. Co., 218 La Salle St., Chicago, Ill.
A. L. Bauman & Bro., Dayton, O.
C. D. Boss & Son, New London, Conn.
Brinckerhoff & Co., 94 Elizabeth St., New York.
Frederick Carr, Greenbush, N. Y.
D. Carrick & Co., 1905 Market St., Philadelphia, Pa.
Samuel B. Clark, 496 Grand St., New York.
C. B. Goodrich & Co., 394 Bunker Hill St., Boston, Mass.
Holmes & Coutts, 339 Washington St., New York.
J. S. Ivins' Son, 321 N. Front St., Philadelphia, Pa.
Langle's Factory, New Orleans, La.
James D. Mason & Co., Baltimore, Md.
A. J. Medlar & Co., 1426 Fairmount St., Philadelphia, Pa.
New Haven Baking Co., New Haven, Conn.
New York Biscuit Co., 6 Harrison St., New York.
J. C. Norris & Co., Concord, N. H.
Peters Co., Memphis, Tenn.
Portland Cracker Co., Portland, Ore.
Poughkeepsie Cracker Bakery, Poughkeepsie, N. Y.
Sacramento Cracker Co., Sacramento, Cal.
Shaver & Dows, Cedar Rapids, Iowa.
Taylor-Hitz Co., Madison, Ind.
Trenton Cracker Co., Trenton, N. J.
U. S. Baking Co., Pittsburgh, Pa.
A. W. Wallace & Son, Bridgeport, Conn.
Woodard & Stone, Watertown, Wis.
Zeller & Co., Richmond, Ind.

A. FANCY BISCUITS.

American Biscuit & Mfg. Co., 218 La Salle St., Chicago, Ill.
Austin & Graves, 116 Commercial St., Boston, Mass.
C. D. Boss & Son, New London, Conn.
Holmes & Coutts, 339 Washington St., Boston, Mass.
Langle's Factory, New Orleans, La.
New York Biscuit Co., 6 Harrison St., New York.

2044. BRAN.

Benton County Flouring Mills Co., Corvallis, Ore.
Bowen & Overby, Howe, Tex.
Bowersock Milling Co., Lawrence, Kan.
Bristol Milling Co., Bristol, Conn.
Broken Bow Roller Milling Co., Broken Bow, Neb.
Capitol Milling Co., Los Angeles, Cal.
Colorado Milling & Elevator Co., Denver, Col.
Corvallis Flouring Mills, Corvallis, Ore.
Dick Bros. Milling Co., Quincy, Ill.
Eagle Roller Mill Co., New Ulm, Minn.
H. B. Eggers & Co., Clark Av. & 8th St., St. Louis, Mo.
Elling & Hyndman, Sheridan, Mont.
Grafton Milling Co., Grafton, Wis.
Miles Son, Frankfort, Ky.
Muskogee Roller Mill Co., Muskogee, Ind. Ter.
Salt Lake Mill & Elevator Co., Salt Lake City, Utah.

2045. BROMA.

Walter Baker & Co., 158 State St., Boston, Mass.
Keasbey & Mattison, Ambler, Pa.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.

2046. BROWN BREAD MIXTURE.

Potter & Wrightington, 60 Commerce St., Boston, Mass.

2047. BUTTER.

Arctic Creamery Co., Rushford, Minn.
Baker & Sibbald, Jonesville, Mich.
D. W. Berry, Middletown, N. Y.
A. D. Boomhower, Saranac, N. Y.
Brooks & Smith, Nashville, Mich.
A. & H. E. Cook, Denmark, N. Y.

F. Cutler & Son, Ionia, Mich.
H. L. Dean, Tipton, Iowa.
Diamond Creamery Co., Monticello, Iowa.
A. Y. Felton, Plainview, Minn.
Flinn & Durfee, Elm, Mich.
W. D. & A. Garrison, Vernon, Mich.
Gilman Creamery Co., Gilman, Iowa.
C. R. Harmon & Sons, Aurora, O.
J. A. & M. A. Howell, Goshen, N. Y.
Frank Hurd, Aurora, O.
Jacob Karlen, Monroe, Wis.
Lee Creamery Co-operative Association, Lee, Mass.
Lincolnville Creamery Association, Lincolnville, Kan.
A. Loyster & Son, Hudson, Mich.
M. E. Morre, Cameron, Mo.
Nile Cheese Mfg. Co., Nile, N. Y.
Chas. M. Northrop, Lakeview, Mich.
B. H. Parkhurst, Elkland, Pa.
Peerless Creamery Co., Romeo, Mich.
Jacob Regez, Monroe, Wis.
P. E. Sanford, Warwick, N. Y.
I. N. Sheldon, Cuba, N. Y.
Simpson, McIntire & Co., 27 S. Market St., Boston, Mass.
Lewis Spaulding, Howard, N. Y.
St. Johns Creamery Co., St. Johns, Mich.
S. Straight & Co., Hudson, O.
Wm. Thompson, Atwater, O.
L. A. Vickery & Sons, Flushing, Mich.
Windsor Cheese Factory, Windsor, N. Y.
D. E. Wood & Co., Huntley, Ill.

2048. CANNED GOODS.

A. CANNED APPLES.
Emporia Canning Co., Emporia, Kan.
Erie Preserving Co., Buffalo, N. Y.
Lawrence Canning Co., Lawrence, Kan.
Oneida Community, Ltd., Community, N. Y.
Van Camp Packing Co., Indianapolis, Ind.

B. CANNED BARTLETT PEARS.
Erie Preserving Co., Buffalo, N. Y.
Lawrence Canning Co., Lawrence, Kan.
Oneida Community, Ltd., Community, N. Y.

C. CANNED BAKED BEANS.
Burnham & Morrill, Portland, Me.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

D. CANNED BEANS.
Baile & Stouffer, New Windsor, Md.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
Curtice Bros. Co., Rochester, N. Y.
Emporia Canning Co., Emporia, Kan.
Erie Preserving Co., Buffalo, N. Y.
Lawrence Canning Co., Lawrence, Kan.
Potter & Wrightington, 60 Commerce St., Boston, Mass.
Van Camp Packing Co., Indianapolis, Ind.

E. CANNED BEEF.
Armour Packing Co., Kansas City, Mo.
Burnham & Morrill, Portland, Me.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
Kemp, Day & Co., 116 Wall St., New York.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

F. CANNED BLUEBERRIES.
Burnham & Morrill, Portland, Me.
Columbia Falls Packing Co., Columbia Falls, Me.
Oneida Community, Ltd., Community, N. Y.
L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

G. CANNED CHERRIES.
Curtice Bros. Co., Rochester, N. Y.

H. CANNED CHICKEN.
Burnham & Morrill, Portland, Me.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
Curtice Bros. Co., Rochester, N. Y.
Erie Preserving Co., Buffalo, N. Y.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

I. CANNED CLAM CHOWDER.
Burnham & Morrill, Portland, Me.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

J. CANNED CLAMS.
L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
Burnham & Morrill, Portland, Me.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
Marshall Canning Co., Marshalltown, Iowa.

K.	CANNED COD FISH BALLS.	Potter & Wrightington, 60 Commerce St., Boston, Mass.
L.	CANNED CORN.	Atlantic Canning Co., Atlantic, Iowa.
		Baile & Stouffer, New Windsor, Md.
		Burnham & Morrill, Portland, Me.
		Council Bluffs Canning Co., Council Bluffs, Iowa.
		Curtice Bros. Co., Rochester, N. Y.
		Davenport Canning Co., Davenport, Iowa.
		Emporia Canning Co., Emporia, Kan.
		Erie Preserving Co., Buffalo, N. Y.
		Grand Island Canning Co., Grand Island, Neb.
		Lawrence Canning Co., Lawrence, Kan.
		Merrell & Soule, Syracuse, N. Y.
		Rome Canning Co., Rome, N. Y.
		Van Camp Packing Co., Indianapolis, Ind.
M.	CANNED CORNED BEEF.	Armour & Co., 506 N. Halsted St., Chicago, Ill.
		Barataria Canning Co., Biloxi, Miss.
		Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
		Libby, McNeill & Libby, Union Stock Yards, Chicago, Ill.
N.	CANNED DUCK, BROILED & ROAST.	Burnham & Morrill, Portland, Me.
		Potter & Wrightington, 60 Commerce St., Boston, Mass.
		Richardson & Robbins, Dover, Del.
O.	CANNED FISH.	A. Booth Packing Co., Lake & State Sts., Chicago, Ill.
		Burnham & Morrill, Portland, Me.
		Wm. H. Cohen & Co., 229 Washington St., New York.
		E. A. Holmes, Eastport, Me.
		Kemp, Day & Co., 116 Wall St., New York.
		Potter & Wrightington, 60 Commerce St., Boston, Mass.
		Quoddy Packing Co., Eastport, Me.
P.	CANNED FRUIT.	A. Booth Packing Co., Lake & State Sts., Chicago, Ill.
		W. W. Boyer & Co., Baltimore, Md.
		Burnham & Morrill, Portland, Me.
		Code, Elfelt & Co., San Francisco, Cal.
		Wm. H. Cohen & Co., 229 Washington St., New York.
		A. W. Colter Canning Co., 18 W. 4th St., Cincinnati, O.
		Columbia Falls Packing Co., Columbia Falls, Me.
		Crocker & Eldridge, 84 S. Market St., Boston, Mass.
		Curtice Bros. Co., Rochester, N. Y.
		Cutting Fruit Packing Co., San Francisco, Cal.
		Michael Doyle & Co., Rochester, N. Y.
		Erie Preserving Co., Buffalo, N. Y.
		Gibbs Preserving Co., 2337 Boston St., Baltimore, Md.
		Gordon & Dilworth, 565 Greenwich St., New York.
		Kemp, Day & Co., 116 Wall St., New York.
		Thomas Kensett & Co., Baltimore, Md.
		E. B. Mallory & Co., Baltimore, Md.
		North Texas Canning Co., Paris, Tex.
		Wm. Numsen & Sons, Baltimore, Md.
		Oneida Community, Ltd., Community, N. Y.
		Santa Paula Fruit Packing Co., Santa Paula, Cal.
		Santa Rosa Packing Co., Santa Rosa, Cal.
		Schammel Packing Co., San Francisco, Cal.
Q.	CANNED GOOSE.	Burnham & Morrill, Portland, Me.
R.	CANNED HAM.	Armour & Co., 506 N. Halsted St., Chicago, Ill.
		Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
		Curtice Bros. Co., Rochester, N. Y.
		Richardson & Robbins, Dover, Del.
S.	CANNED HERRING.	Potter & Wrightington, 60 Commerce St., Boston, Mass.
T.	CANNED LOBSTER.	Burnham & Morrill, Portland, Me.
		L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
		Oscar G. Rafferty, 67 Front St., New York.
U.	CANNED MACKEREL.	Burnham & Morrill, Portland, Me.
		L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
V.	CANNED MUTTON.	Armour & Co., 506 N. Halsted St., Chicago, Ill.
		Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
		Cudahy Packing Co., S. Omaha, Neb.
		Fairbank Canning Co., 147 S. Water St., Chicago, Ill.
		Kemp, Day & Co., 116 Wall St., New York.
		Potter & Wrightington, 60 Commerce St., Boston, Mass.
W.	CANNED OYSTERS.	Barataria Canning Co., Biloxi, Miss.
		A. Booth Packing Co., Lake & State Sts., Chicago, Ill.
		W. W. Boyer & Co., Baltimore, Md.
		J. B. Brinkley & Sons, Baltimore, Md.
		G. W. Dunbar's Sons, New Orleans, La.
		W. L. Ellis & Co., Baltimore, Md.
		Gibbs Preserving Co., Baltimore, Md.
		H. F. Hemingway & Co., Albany, N. Y.

		Thomas Kensett & Co., Baltimore, Md.
		E. B. Mallory & Co., Baltimore, Md.
		Wm. Numsen & Sons, Baltimore, Md.
		Oscar G. Rafferty, 67 Front St.. New York.
X.	CANNED PEACHES.	Curtice Bros. Co., Rochester, N. Y.
		Emporia Canning Co.. Emporia, Kan.
		Erie Preserving Co., Buffalo, N. Y.
		Gibbs Preserving Co., Baltimore, Md.
		Thomas Kensett & Co., Baltimore, Md.
Y.	CANNED PEAS.	Curtice Bros. Co., Rochester, N. Y.
		Emporia Canning Co., Emporia, Kan.
		Erie Preserving Co., Buffalo, N. Y.
		Gibbs Preserving Co., Baltimore, Md.
		Grand Island Canning Co., Grand Island. Neb.
		Van Camp Packing Co., Indianapolis, Ind.
Z.	CANNED PINEAPPLES.	Curtice Bros. Co., Rochester, N. Y.
AA.	CANNED PLUM PUDDING.	Franco-American Food Co., 127 Franklin St., New York.
		Gordon & Dilworth, 565 Greenwich St., New York.
		Richardson & Robbins, Dover, Del.
BB.	CANNED PORK SAUSAGE.	Armour & Co., 506 N. Halsted St., Chicago, Ill.
CC.	CANNED POULTRY.	Kemp, Day & Co., 116 Wall St., New York.
		Oneida Community, Ltd., Community, N. Y.
		Potter & Wrightington, 60 Commerce St., Boston, Mass.
DD.	CANNED PUMPKIN.	Curtice Bros. Co., Rochester, N. Y.
		Erie Preserving Co., Buffalo, N. Y.
		Marshall Canning Co., Marshalltown, Iowa.
		Van Camp Packing Co., Indianapolis, Ind.
EE.	CANNED RASPBERRIES.	Erie Preserving Co., Buffalo, N. Y.
FF.	CANNED SALMON.	Alaska Improvement Co., San Francisco, Cal.
		Arctic Fishing Co., San Francisco, Cal.
		Baranoff Packing Co., San Francisco, Cal.
		Columbia River Packing Co., San Francisco, Cal.
		J. W. & V. Cook, Portland, Ore.
		R. D. Hume, Gold Beach, Ore.
		Pacific Coast Packing Co., San Francisco, Cal.
		Oscar G. Rafferty, 67 Front St., New York.
		Russian-American Packing Co., San Francisco, Cal.
GG.	CANNED SARDINES.	Hiram Blanchard & Son, Eastport, Me.
		Eastport Sardine Co., Eastport, Me.
		Frontier Packing Co., Robbinston, Me.
		L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
		Potter & Wrightington, 60 Commerce St., Boston, Mass
HH.	CANNED SHRIMP.	Barataria Canning Co., Biloxi, Miss.
		A. Booth Packing Co., Lake & State Sts, Chicago, Ill.
		G. W. Dunbar's Sons, New Orleans, La.
		W. Gorenflo & Co., Biloxi. Miss.
		Oscar G. Rafferty, 67 Front St., New York.
II.	CANNED SOUPS.	Armour & Co., 506 N. Halsted St., Chicago, Ill.
		Burnham & Morrill, Portland, Me.
		Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
		Franco-American Food Co., 127 Franklin St., New York.
		Gaunt & Janvier, 365 Canal St., New York.
		Gordon & Dilworth, 565 Greenwich St., New York.
		J. H. W. Huckins & Co., 18 Waterford St., Boston, Mass.
		Oneida Community, Ltd., Community, N. Y.
		T. A. Snider Preserve Co., 49 Sycamore St., Cincinnati, O.
JJ.	CANNED SQUASH.	Erie Preserving Co., Buffalo, N. Y.
KK.	CANNED STRAWBERRIES.	Curtice Brothers Co., Rochester, N. Y.
		Erie Preserving Co., Buffalo, N. Y.
		Lawrence Canning Co., Lawrence, Kan.
		Van Camp Packing Co., Indianapolis, Ind.
LL.	CANNED SUCCOTASH.	Baile & Stouffer, New Windsor, Md.
		Curtice Brothers Co., Rochester, N. Y.
		Merrell & Soule, Syracuse, N. Y.
		Rome Canning Co., Rome, N. Y.
MM.	CANNED TOMATOES.	Baile & Stouffer, New Windsor, Md.
		E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
		Curtice Brothers Co., Rochester, N. Y.
		Emporia Canning Co., Emporia, Kan.
		Erie Preserving Co., Buffalo, N. Y.
		Thomas Kensett & Co., Baltimore, Md.
		Kuner Pickle Co., Denver, Col.
		Lawrence Canning Co., Lawrence, Kan.
		Marshall Canning Co., Marshalltown, Iowa.
		Merrell & Soule, Syracuse, N. Y.
		Van Camp Packing Co., Indianapolis, Ind.

NN. CANNED TONGUE.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
Curtice Brothers Co., Rochester, N. Y.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

OO. CANNED TONGUE, OX.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
Richardson & Robbins, Dover, Del,

PP. CANNED TRIPE.
Armour & Co., 506 N. Halsted St., Chicago, Ill.

QQ. CANNED TURKEY.
Burnham & Morrill, Portland, Me.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
Curtice Brothers Co., Rochester, N. Y.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

RR. CANNED VEGETABLES.
Barataria Canning Co., Biloxi, Miss.
A. Booth Packing Co., Lake & State Sts., Chicago, Ill.
W. W. Boyer & Co., Baltimore, Md.
Burnham & Morrill, Portland, Me.
Wm. H. Cohen & Co., 229 Washington St., New York.
Crocker & Eldridge, 84 S. Market St., Boston, Mass.
Curtice Bros. & Co., Rochester, N. Y.
Erie Preserving Co., Buffalo, N. Y.
Kemp, Day & Co., 116 Wall St., New York.
Thomas Kensett & Co., Baltimore, Md.
E. B. Mallory & Co., Baltimore, Md.
Wm. Numsen & Sons, Baltimore, Md.
Oneida Community, Ltd., Community, N. Y.

2049. CHEESE.
Arctic Creamery Co., Rushford, Minn.
D. W. Berry, Middletown, N. Y.
Clark Bros., North Russell, N. Y.
A. & H. E. Cook, Denmark, N. Y.
Diamond Creamery Co., Monticello, Iowa.
A. Y. Felton, Plainview, Minn.
Gilman Creamery Co., Gilman, Iowa.
M. E. Morre, Cameron, Mo.
G. B. Horton, Fruit Ridge, Mich.
J. A. & M. A. Howell, Goshen, N. Y.
Frank Hurd, Aurora, O.
Jacob Karlen, Monroe, Wis.
Lee Creamery Co-operative Association, Lee, Mass.
P. S. Lee, Morenci, Mich.
W. J. Moxley, 503 W. Van Buren St., Chicago, Ill.
Nile Cheese Mfg. Co., Nile, N. Y.
B. H. Parkhurst, Elkland, Pa.
A. D. Powers, Northville, Mich.
Jacob Regez, Monroe, Wis.
P. E. Sanford, Warwick N. Y.
I. N. Sheldon, Cuba, N. Y.
Lewis Spaulding, Howard, N. Y.
S. Straight & Co., Hudson, O.
Wm. Thompson, Atwater, O.
Wilkerson & Wilkerson, Dundee, Mich.
Windsor Cheese Factory, Windsor, N. Y.
D. E. Wood & Co., Huntley, Ill.

2050. CHOCOLATE.
Walter Baker & Co., 158 State St., Boston, Mass.
The P. Echert Co., 121 W. Court St., Cincinnati, O.
H. Maillard, 116 W. 25th St., New York.
Ode & Gerbereux, 131 S. 5th Av., New York.
Chas. H. Phillips Chemical Co., Stamford, Conn.
Alexander M. Powell, 152 Chambers St., New York.
Royal Cocoa & Chocolate Co., Callowhill & Marshall Sts., Phila., Pa.
Runkel Bros., 445 W. 30th St., New York.
S. F. Whitman & Son, 606 Cherry St., Philadelphia, Pa.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.

A. CHOCOLATE PREPARATIONS.
Walter Baker & Co., 158 State St., Boston, Mass.
E. Greenfield's Son & Co., 44 Barclay St., New York.
Ode & Gerbereux, 131 S. 5th Av., New York.

B. SOLUBLE CHOCOLATE.
Walter Baker & Co., 158 State St., Boston, Mass.
Ode & Gerbereux, 131 S. 5th Av., New York.

2051. COCOA.
Walter Baker & Co., 158 State St., Boston, Mass.
J. S. Huyler, 64 Irving Place, New York.
C. J. Van Houten & Zoon, 106 Reade St., New York.
Stephen F. Whitman & Son, 606 Cherry St., Philadelphia, Pa.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.

A. BREAKFAST COCOA.
Walter Baker & Co., 158 State St., Boston, Mass.
H. Maillard, 116 W. 25th St., New York.
Ode & Gerbereux, 131 S. 5th Av., New York.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.

B. COCOA PREPARATIONS.
Walter Baker & Co., 158 State St., Boston, Mass.
Ode & Gerbereux, 131 S. 5th Av., New York.

C. COCOA SHELLS.
Walter Baker & Co., 158 State St., Boston, Mass.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.

2052. CONDENSED MILK.
Anglo-Swiss Condensed Milk Co., Middletown, N. Y.
Baltimore Condensed Milk Co., York, Pa.
H. Y. Canfield, 83 4th Av., New York.
Elgin Condensed Milk Co., Elgin, Ill.
Helvetia Milk Condensing Co., Highland, Ill.
Kemp, Day & Co., 116 Wall St., New York.
Michigan Condensed Milk Co., Lansing, Mich.
New York Condensed Milk Co., 71 Hudson St., New York.

A. UNSWEETENED CONDENSED MILK.
Helvetia Milk Condensing Co., Highland, Ill.

2053. COOKING FLAVORING EXTRACTS.
F. P. Adams & Co., 280 Dover St., Boston, Mass.
Bastine & Co., 41 Warren St., New York.
Joseph Burnett & Co., 27 Central St., Boston, Mass.
Chapman & Smith Co., 136 W. Washington St., Chicago, Ill.
Chaskel Chemical Works, 177 Pearl St., New York.
Wm. H. Cohen & Co., 229 Washington St., New York.
J. W. Colton, Westfield, Mass.
Geo. Leis Chemical Mfg. Co., Lawrence, Kan.
Geo. E. Lorenz, Toledo, O.
M. Michaelis & Son, 81 Murray St., New York.
C. A. Murdock & Co., Kansas City, Mo.
Price Baking Powder Co., 184 Michigan St., Chicago, Ill.
J. Roemheld & Co., 204 S. Halsted St., Chicago, Ill.
Royal Remedy & Extract Co., Dayton, O.
Royal Baking Powder Co., 106 Wall St., New York.
Frederick Stearns & Co., Detroit, Mich.
Stickney & Poor Spice Co., 205 State St., Boston, Mass.
W. O. Tuttle & Co., 246 Federal St., Boston, Mass.
Vouwie Bros., Cleveland, O.
Wood & Selick, 49 Jay St., New York.

2054. COOKING OILS.
American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Future City Oil Works Co., 610 S. Main St., St. Louis, Mo.

2055. CRACKERS.
American Biscuit & Mfg. Co., 218 La Salle St., Chicago, Ill.
Austin & Graves, 116 Commercial St., Boston, Mass.
A. L. Bauman & Bro., Dayton, O.
Frank E. Block, Atlanta, Ga.
Bolton & Skillman, Lansingburgh, N. Y.
C. D. Boss & Son, New London, Conn.
Brinckerhoff & Co., 229 Grand St., New York.
Thomas H. Carr, Montgomery, Ala.
D. Carrick & Co., 1905 Market St., Philadelphia, Pa.
Samuel B. Clark, 496 Grand St., New York.
J. C. H. Clausen & Co., Charleston, S. C.
A. Exton & Co., Trenton, N. J.
C. B. Goodrich Co., 394 Bunker Hill St., Boston, Mass.
Grubbs' Cracker & Candy Co., Nashville, Tenn.
Holmes & Coutts, 339 Washington St., New York.
J. S. Ivins' Son, 321 N. Front St., Philadelphia, Pa.
Langles' Factory, New Orleans, La.
E. J. Larrabee & Co., 427 W. 15th St., New York.
T. S. Lewis, Atlanta, Ga.
Los Angeles Cracker Co., Los Angeles, Cal.
Jas. D. Mason & Co., Baltimore, Md.
McClurg Cracker Co., Omaha, Neb.
A. J. Medler Co., Ltd., 1426 Fairmount St., Philadelphia, Pa.
New Haven Baking Co., New Haven, Conn.
New York Biscuit Co., 6 Harrison St., New York.
Portland Cracker Co., Portland, Ore.
Poughkeepsie Cracker Bakery, Poughkeepsie, N. Y.
Roddewig-Schmidt Cracker Co., Davenport, Iowa.
John B. Ruger & Son, Lafayette, Ind.
Sacramento Cracker Co., Sacramento, Cal.
Shaver & Dows, Cedar Rapids, Iowa.
David Stewart, N. 13th & Hamilton Sts., Philadelphia, Pa.
Taylor-Hetz Co., Madison, Ind.
Trenton Cracker Co., Trenton, N. J.
U. S. Baking Co., Pittsburgh, Pa.
A. W. Wallace & Son, Bridgeport, Conn.

2056. CURRY POWDER.
E. R. Durkee & Co., 135 Water St., New York.

2057. DEVILED MEATS.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84

E. T. Cowdrey & Co., 80 Broad St., Boston, Mass.
Cudahy Packing Co., S. Omaha, Neb.
Potter & Wrightington, 60 Commerce St., Boston, Mass.
Wm. Underwood & Co., 52 Fulton St., Boston, Mass.

2058. DRESSED HOGS.

Armour & Co., 506 N. Halsted St., Chicago, Ill.
James E. Booge & Sons, Sioux City, Iowa.
Chas. Davis & Co., Spring Grove Av., Cincinnati, O.
Jacob Dold Packing Co., Buffalo, N. Y.
John C. Hately, Union Stock Yards, Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
Roth-Meyer Packing Co., 74 Gest St., Cincinnati, O.
Wm. H. Silberhorn Co., 169 Jackson St., Chicago, Ill.
Silberhorn Bros., 94 Chrystie St., New York.
T. M. Sinclair & Co., Cedar Rapids, Iowa.
John P. Squire & Co., E. Cambridge, Mass.
Swift & Co., Union Stock Yards, Chicago, Ill.
Jacob Vogel & Son, 145 Spring Grove Av., Cincinnati, O.

2059. DRESSED MEATS.

A. CORNED BEEF.

Armour & Co., 506 N. Halsted St., Chicago, Ill.
Chas. A. Baldwin & Co., 63 S. Market St., Boston, Mass.
Libby, McNeil & Libby, Union Stock Yards, Chicago, Ill.
Silberhorn Co., Sioux City, Iowa.
Swift & Co., Union Stock Yards, Chicago, Ill.

B. DRESSED BEEF.

Allcutt Packing Co., Kansas City, Mo.
Allentown Packing Co., St. Joseph, Mo.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
Jacob Dold Packing Co., Buffalo, N. Y.
George Fowler & Son, Kansas City, Mo.
George H. Hammond & Co., 7 Exchange Building, Chicago, Ill.
Kansas City Stock Yards, Kansas City, Mo.
May, Levy & May, 280 Johnson Av., Brooklyn, N. Y.
J. H. Michener & Co., 956 N. Front St., Philadelphia, Pa.
Minneapolis Provision Co., Minneapolis, Minn.
Roth-Meyer Packing Co., 74 Gest St., Cincinnati, O.
Silberhorn Co., Sioux City, Iowa.
T. M. Sinclair & Co., Cedar Rapids, Iowa.
Swift & Co., Union Stock Yards, Chicago, Ill.

C. DRIED BEEF.

Armour & Co., 506 N. Halsted St., Chicago, Ill.
Chas. A. Baldwin & Co., 63 S. Market St., Boston, Mass.
Calumet Canning Co., 68 W. Jackson St., Chicago, Ill. *84
Jno. J. O'Leary & Sons, St. Paul, Minn.
Silberhorn Co., Sioux City, Iowa.
T. M. Sinclair & Co., Cedar Rapids, Iowa.
Swift & Co., Union Stock Yards, Chicago, Ill.

2060. DRIED FRUITS.

Central Mills, Ann Arbor, Mich.
Michael Doyle & Co., Rochester, N. Y.
Geo. A. Fleming Co., San Jose, Cal.
Germain Fruit Co., Los Angeles, Cal.
Griffen & Skelley Co., Riverside, Cal.
Hynsom Bros., Milford, Del.
C. W. G. Nobles & Son, Perry, N. Y.
San Jose Fruit Packing Co., San Jose, Cal.
John Wakeman & Co., 65 Broad St., New York.

2061. FISH, SALT WATER.

A. BONELESS CODFISH.

L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

B. SALT CODFISH.

B. F. Allen & Co., Gloucester, Mass.
L. M. Haskins & Co., 176 Atlantic Av., Boston, Mass.
New England Fish Co., Gloucester, Mass.
Parmenter & Co., Gloucester, Mass.
G. Perkins & Son, Gloucester, Mass.
Potter & Wrightington, 60 Commerce St., Boston, Mass.
Stanwood & Co., Gloucester, Mass.
Geo. J. Tarr & Co., Gloucester, Mass.

C. SALT MACKEREL.

B. F. Allen & Co., Gloucester, Mass.
L. M. Haskins & Co., 176 Atlantic Av., Boston, Mass.
New England Fish Co., Gloucester, Mass.
L. Pickert & Co., 396 Atlantic Av., Boston, Mass.
Potter & Wrightington, 60 Commerce St., Boston, Mass.

2062. FLOUR & CEREALS.

A. BROWN BREAD FLOUR.

George V. Hecker & Co., 205 Cherry St., New York.

B. BUCKWHEAT FLOUR.

Corle & Son Oat Meal & Cereal Co., Kansas City, Mo.
Corvallis Flouring Mills, Corvallis, Ore.
Grafton Milling Co., Grafton, Wis.
Kearney Milling & Elevator Co., Kearney, Neb.
King & Lamb, 14 5th Av., Chicago, Ill.

	Miles & Holman, 54 West St., New York.
	Plymouth Roller Mill Co., Le Mars, Iowa.
	Quenemo Mill Co., Quenemo, Kan.
	M. D. Stevens, 6 Harrison St., New York.
	Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.
C. BUCKWHEAT GROATS.	Niles & Holman, 54 West St., New York.
D. CORN FLOUR.	H. Bates, Indianapolis, Ind.
	Hudnut Co., Terre Haute, Ind.
	Wm. Lea & Sons Co., Wilmington, Del.
	Miles & Holman, 54 West St., New York.
	Potter & Wrightington, 60 Commerce St., Boston, Mass.
	Topeka Mill & Elevator Co., Topeka, Kan.
E. CORN MEAL.	Alliance Milling Co., Denton, Tex.
	Bacon's Castle Grist Mill Co., Bacon's Castle, Va.
	O. Boutwell & Son, Troy, N. Y.
	W. W. Bush & Co., Alton, Kan.
	Durst Milling Co., Dayton, O.
	C. A. Gambull Mfg. Co., Baltimore, Md.
	Hudnut Co., Terre Haute, Ind.
	Jackson & Bros., Downs, Kan.
	Kearney Milling & Elevator Co., Kearney, Neb.
	Wm. Lea & Sons Co., Wilmington, Del.
	Lexington Roller Mills Co., Lexington, Ky.
	Edward C. McCullough, Blackstone, Va.
	Miles & Holman, 54 West St., New York.
	Plymouth Roller Mill Co., Le Mars, Iowa.
	Quenemo Mill Co., Quenemo, Kan.
	Walter Roberts, Alexandria, Va.
	Salt Lake Mill & Elevator Co., Salt Lake City, Utah.
	F. Schumacher Milling Co., Akron, O.
	Augustus Sizer, Aylett's, Va.
	Topeka Mill & Elevator Co., Topeka, Kan.
	White Cloud Roller Milling Co., White Cloud, Kan.
F. CORN, PREPARED.	Kingsford Oswego Starch Co., Oswego, N. Y.
G. CRACKED WHEAT.	F. Schumacher Milling Co., Akron, O.
H. CRUSHED BARLEY.	Miles & Holman, 54 West St., New York.
	F. Schumacher Milling Co., Akron, O.
I. FARINA.	Del Monte Milling Co., San Francisco, Cal.
	George V. Hecker & Co., 205 Cherry St., New York.
	National Mill & Elevator Co., Parsons, Kan.
	F. Schumacher Milling Co., Akron, O.
	Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.
J. FLOUR.	Albion Milling Co., Albion, Mich.
	Alliance Milling Co., Denton, Tex.
	Allen & Wheeler, Troy, O.
	J. B. Ard, Pine Grove Mills, Pa.
	Attica Mills, Attica, N. Y.
	Badger & Co., Mt. Sterling, Ky.
	John Becker, Belen, N. Mex.
	Belmont Flouring Mill Co., Murfreesboro', Tenn.
	Benton County Flouring Mills Co., Corvallis, Ore.
	J. M. Berry, Augusta, Ga.
	Blanton, Watson & Co., Indianapolis, Ind.
	Blish Milling Co., Seymour, Ind.
	Bowersock Milling Co., Lawrence, Kan.
	Broken Bow Roller Milling Co., Broken Bow, Neb.
	Buckeye Mills, Salem, O.
	Capitol Milling Co., Los Angeles, Cal.
	Cargill Bros., Minneapolis, Minn.
	Cedar Falls Mill Co., Cedar Falls, Iowa.
	Cereal Milling Co., Cedar Rapids, Iowa.
	Champion Roller Milling Co., Richmond, Ind.
	C. P. Chapman & Co., Pittsfield, Ill.
	Christian Bros. Mill Co., Minneapolis, Minn.
	John Clee, Detroit, Mich.
	Colorado Milling & Elevator Co., Denver, Col.
	Colton Bros., Bellefontaine, O.
	Columbia Mill Co., Minneapolis, Minn.
	Crocker, Fisk & Co., Minneapolis, Minn.
	Davenport Mills Co., Davenport, Iowa.
	Dick Bros. Milling Co., Quincy, Ill.
	Eagle Roller Mill Co., New Ulm, Minn.
	H. B. Eggers & Co., Clark Av. & 8th St., St. Louis, Mo.
	Elling & Hyndman, Sheridan, Mont.
	Everett, Aughenbaugh & Wood, Waseca, Minn.
	Frolich & Sandman, Barrington, Ill.

C. A. Gambrill Mfg. Co., Baltimore, Md.
Gate City Mills, Winona, Minn.
Genesee Flour Mills, San Francisco, Cal.
Grafton Milling Co., Grafton, Wis.
H. & E. Greenaway, Fowlerville, Mich.
A. Gribbrock, Rochester, N. Y.
Haxall-Crenshaw Co., Richmond, Va.
Geo. V. Hecker & Co., 205 Cherry St., New York.
R. D. Hubbard & Co., Mankato, Minn.
Jewell Milling Co., 4 Fulton St., Brooklyn, N. Y.
Kearney Milling & Elevator Co., Kearney, Neb.
Kennesaw Mills Co., Marietta, Ga.
J. B. A. Kern & Son, Milwaukee, Wis.
W. L. Kidder & Sons, Terre Haute, Ind.
H. Julius Klingler & Co., Butler, Pa.
Koehler Bros., Cairo, Ill.
Kutnewsky Bros., Redfield, Dak.
Lake City Flouring Mill Co., Lake City, Minn.
Wm. Lea & Sons Co., Wilmington, Del.
Wm. Leistikow, Grafton, N. Dak.
Lexington Roller Mills Co., Lexington, Ky.
Lincoln Roller Mills, Lincoln, Ill.
Los Angeles Farming & Milling Co., Los Angeles, Cal.
Lukens & North, Atchison, Kan.
Lyon, Clement & Greenleaf, Wauseon, O.
McGrew, Parkinson & Co., Monongahela City, Pa.
Marshall Milling Co., Henderson, Ky.
Memphis Mill Co., Memphis, Tenn.
Miles & Son, Frankfort, Ky.
Millbourne Mills Co., 1438 S. Penn. Sq., Philadelphia, Pa.
Minto Roller Mills, Minto, N. Dak.
Model Roller Milling Co., Trenton, Ky.
Thomas Moses, Sharon, Pa.
Muskogee Roller Mills, Muskogee, Ind. Ter.
W. S. Myer & Bro., Westminster, Md.
Nappanee Milling Co., Nappanee, Ind.
Newton Milling & Elevator Co., Newton, Kan.
Oliver & Bacon, Erie, Pa.
Omaha Elevator Co., Omaha, Neb.
Chas. A. Pillsbury & Co., Minneapolis, Minn.
Geo. P. Plant Milling Co., 501 Chamber of Com.,St. Louis, Mo.
Port Jefferson Milling Co., Port Jefferson, N. Y.
Portland Flouring Mills Co., Portland, Ore.
Portland Milling Co., Portland, Ind.
Queen City Milling Co., Springfield, Mo
Rogers Milling Co., Rogers, Ark.
G. Y. Roots Co., Lawrenceburg, Ind.
Salina Mill & Elevator Co., Salina, Kan.
Salt Lake Mill & Elevator Co., Salt Lake City, Utah.
Samm & Westpole, Oakland, Cal.
Sanford & Evans, Helena, Mont.
Saxony Mills, 312 Lombard St., St. Louis, Mo.
Schoellkopf & Mathews, Buffalo, N. Y.
F. Schumacher Milling Co., Akron, O.
Scott Bros. & Weatherspoon, Macomb, Ill.
E. Scouller & Son, North East, Pa.
Seiberling Milling Co., Akron, O.
Shoup & Oldfather, Warsaw, Ind.
Sidle, Fletcher, Holmes Co., Minneapolis, Minn.
Z. G. Simmons & Co., Kenosha, Wis.
Sleepy Eye Milling Co., Sleepy Eye, Minn.
E. O. Standard Milling Co., 408 Chamber of Com.,St.Louis,Mo.
Staten Island Milling Co., 347 Produce Exchange, New York.
M. D. Stevens, 6 Harrison St., New York.
Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.
F. W. Stock, Hillsdale, Mich.
A. Strickler's Sons, Lebanon, Pa.
Taylor Bros. & Co., Quincy, Ill.
Texas Star Flour Mills, Galveston, Tex.
Thompson & Johnson, Fisher, Minn.
Thornton & Chester, Buffalo, N. Y.
Robert Tyson & Co., Baltimore, Md.
Valley City Milling Co., Grand Rapids, Mich
Voigt Milling Co., Grand Rapids, Mich.
H. C. Waite, Cold Spring, Minn.
Warren Mills Co., Warren, Pa.

Washburn-Crosby Co., Minneapolis, Minn.
Webster Roller Mill Co., Webster, Dak.
Whitmore Bros., Montevideo, Minn.
Whitney & Wilson, Rochester, N. Y.
Jas. Wilson & Co., Rochester, N. Y.
Winona Mill Co., Winona, Minn.
Wysor & Hibbitts, Muncie, Ind.
Yaeger Flour Mill Co., Carlinville, Ill.
Zenith Milling Co., Kansas City, Mo.

K. GRAHAM FLOUR.
Corvallis Flouring Mills, Corvallis, Ore.
Grafton Milling Co., Grafton, Wis.
Salt Lake Mill & Elevator Co., Salt Lake City, Utah.
F. Schumacher Milling Co., Akron, O.

L. GRITS, HOMINY.
H. Bates, Indianapolis, Ind.
Durst Milling Co., Dayton, O.
Hudnut Co., Terre Haute, Ind.
Wm. Lea & Sons Co., Wilmington, Del.
Miles & Holman, 54 West St., New York.

M. GRITS, WHEAT.
James Converse, San Marcos, Tex.
George V. Hecker & Co., 205 Cherry St., New York.
Kearney Milling & Elevator Co., Kearney, Neb.

N. HOMINY.
George V. Hecker & Co., 205 Cherry St., New York.
Indianapolis Hominy Mills, Indianapolis, Ind.
J. C. Klauder, 1805 N. 6th St., Philadelphia, Pa.
Lafayette Hominy Mills Co., Lafayette, Ind.
Wm. Lea, Sons & Co.. Wilmington, Del.
Maryland Hominy & Coralline Co., Baltimore, Md.
Miles & Holman, 54 West St., New York.
National Mill & Elevator Co., Parsons, Kan.
F. Schumacher Milling Co., Akron, O.
Terre Haute Hominy Mill, Terre Haute, Ind.

O. OATMEAL.
Cereal Milling Co., Cedar Rapids, Iowa.
George V. Hecker & Co., 205 Cherry St., New York.
Hower Co., Akron, O.
John Milne, Hillsborough, Ore.
Muscatine Oat Meal Co., Muscatine, Iowa.
Miles & Holman, 54 West St., New York.
Newell Bros. Co., Cleveland, O.
Quaker Mill Co., Ravenna, O.
Rockford Oat Meal Co., Rockford, Ill.
Salt Lake Mill & Elevator Co., Salt Lake City, Utah.
F. Schumacher Milling Co., Akron, O.
Sioux City Oat Meal Co., Sioux City, Iowa.
Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.

P. PEARL BARLEY.
Hudnut Co., Terre Haute, Ind.
Miles & Holman, 54 West St., New York.
F. Schumacher Milling Co., Akron, O.

Q. PREPARED CEREALS.
Cereals Mfg. Co., 83 Murray St., New York.
Health Food Co., 61 5th Av., New York.
Hudnut Co., Terre Haute, Ind.
Maryland Hominy & Coralline Co., Baltimore, Md.
Potter & Wrightington, 60 Commerce St., Boston, Mass.
Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.
J. F. Tyrell & Co., 6 Harrison St., New York.

R. RICE.
John Barkley & Co., New Orleans, La.
J. S. Barton & Co., New Orleans, La.
Bryan Bros., New Orleans, La.
Nicholas Burke Co., Ltd., New Orleans, La.
C. A. Chisolm, Charleston, S. C.
Crampton Bros., cor. Monroe & Jefferson Sts., New York.
Joseph David, New Orleans, La.
Delgado & Co., New Orleans, La.
Georgetown Rice Milling Co., Georgetown, S. C.
G. A. Jahn & Co., New Orleans, La.
J. B. Levert, New Orleans, La.
Isaac Levy, New Orleans, La.
Thomas McDermott, New Orleans, La.
New Orleans Rice Milling Co., New Orleans, La.
Geo. B. Prochaska & Co., New Orleans, La.
Dan Talmage's Sons, 115 Wall St., New York.
West Point Rice Mill Co., Charleston, S. C.

S. RYE FLOUR.
O. Boutwell & Son, Troy, N. Y.
Corvallis Flouring Mills, Corvallis, Ore.
Grafton Milling Co., Grafton, Wis.
Miles & Holman, 54 West St., New York.
Plymouth Roller Mill Co., Le Mars, Iowa.

Salt Lake City Mill & Elevator Co., Salt Lake City, Utah.

T. TAPIOCA.
E. R. Durkee & Co., 135 Water St., New York.

2063. HAMS.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
James E. Booge & Sons, Sioux City, Iowa.
Washington Butcher's Sons, 2 Sherman St., Chicago, Ill.
G. Cassard & Son, Baltimore, Md.
Cudahy Packing Co., S. Omaha, Neb.
Chas. Davis & Co., Spring Grove Av., Cincinnati, O.
S. Davis, Jr. & Co., 303 Broadway, Cincinnati, O.
Jacob Dold Packing Co., Buffalo, N. Y.
F. A. Ferris & Co., 264 Mott St., New York.
Geo. H. Hammond & Co., 7 Exchange Building, Chicago, Ill.
International Packing Co., 169 Jackson St., Chicago, Ill.
Henry Krug Packing Co., St. Joseph, Mo.
Jno. J. O'Leary & Sons, St. Paul, Minn.
Roth-Meyer Packing Co., 74 Gest St., Cincinnati, O.
Silberhorn Bros., 94 Chrystie St., New York.
Silberhorn Co., Sioux City, Iowa.
T. M. Sinclair & Co., Cedar Rapids, Iowa.
Swift & Co., Union Stock Yards, Chicago, Ill.
Francis Whittaker & Sons, 7th & Carr Sts., St. Louis, Mo.

2064. HONEY.
Farrell & Co., Omaha, Neb.
Chas. F. Muth & Son, Freeman & Central Av., Cincinnati, O.
A. I. Root, Medina, O.

2065. ITALIAN PASTE.

A. MACARONI.
Frank Cuneo, 803 Christian St., Philadelphia, Pa.
Guano & Raggio, 924 S. 7th St., Philadelphia, Pa.
Langle's Factory, New Orleans, La.
Chas. Maull, 745 S. 3d St., St. Louis, Mo.
Joseph Nicholini, Napa City, Cal.
J. B. Rey, Middle Village, N. Y.
Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.
Wuerdeman & Co., 117 E. Pearl St., Cincinnati, O.

B. VERMICELLI.
P. Daussa, 449 West St., New York.
Guano & Raggio, 924 S. 7th St., Philadelphia, Pa.
Langle's Factory, New Orleans, La.
Chas. Maull, 745 S. 3d St., St. Louis, Mo.
J. B. Rey, Middle Village, N. Y.
Stobie Cereal Mills, 711 N. 2d St., St. Louis, Mo.
Wuerdeman & Co., 117 E. Pearl St., Cincinnati, O.

2066. JUNKET TABLETS.
Chr. Hansen's Laboratory, Little Falls, N. Y.

2067. LARD.
Armour & Co., 506 N. Halsted St., Chicago, Ill.
G. Cassard & Son, Baltimore, Md.
Cudahy Packing Co., South Omaha, Neb.
Davis Oil Co., 424 Produce Exchange, New York.
Chas. Davis & Co., Spring Grove Av., Cincinnati, O.
Jacob Dold Packing Co., Buffalo, N. Y.
N. K. Fairbank & Co., 62 Wabash Av., Chicago, Ill.
Geo. Fowler & Son, Kansas City, Mo.
John C. Hately, Union Stock Yards, Chicago, Ill.
International Packing Co., 169 Jackson St., Chicago, Ill.
Henry Krug Packing Co., St. Joseph, Mo.
Geo. C. Napheys & Son, 310 Spruce St., Philadelphia, Pa.
Jno. J. O'Leary & Sons, St. Paul, Minn.
Rohe & Bro., 344 Produce Exchange, New York.
Silberhorn Bros., 94 Chrystie St., New York.
Wm. H. Silberhorn Co., 169 Jackson St., Chicago, Ill.
T. M. Sinclair & Co., Cedar Rapids, Iowa.
John P. Squire & Co., E. Cambridge, Mass.
Richard Webber, 208 E. 120th St., New York.
Francis Whittaker & Sons, 7th & Carr Sts., St. Louis, Mo.
W. J. Wilcox Lard & Refining Co., Room L, Pro. Ex., New York.

2068. MINCE MEAT.
T. E. Dougherty, Port Byron, N. Y.
Gordon & Dilworth, 565 Greenwich St., New York.
Henderson Co., Weedsport, N. Y.
Merrell & Soule, Syracuse, N. Y.
Oneida Community, Ltd., Community, N. Y.
P. J. Ritter Conserve Co., 2156 E. Dauphin St., Philadelphia, Pa.

2069. MOLASSES.
John Barkley & Co., New Orleans, La.
J. S. Barton & Co., New Orleans, La.
J. A. Blackman, Jr., New Orleans, La.
Bryan Bros., New Orleans, La.
Baldwin & Co., Baldwin, La.
C. D. Chase Syrup Co., 914 N. Main St., St. Louis, Mo.
Delgado & Co., New Orleans, La.
Farrell & Co., Omaha, Neb.

	Wm. Henderson, New Orleans, La.	
	G. A. Jahn & Co., New Orleans, La.	
	J. B. Levert, New Orleans, La.	
	Thomas McDermott, New Orleans, La.	
2070. NUDELS.	Chas. Maull, 745 S. 3d St., St. Louis, Mo.	
2071. OLEOMARGARINE.	Armour & Co., 506 N. Halsted St., Chicago, Ill.	
	Armour Packing Co., 12 Manhattan Market, New York.	
	Brann & Fitts, 229 S. Water St., Chicago, Ill.	
	Friedman & Swift, Union Stock Yards, Chicago, Ill.	
	G. H. Hammond & Co., 7 Exchange Building, Chicago, Ill.	
	W. J. Moxley, 503 W. Van Buren St., Chicago, Ill.	
	John Reardon & Sons, 69 S. Market St., Boston, Mass.	
	Union Dairy Co., Cleveland, O.	
	Western Mfg. Co., 51 E. 2d St., Cincinnati, O.	
	Woodlawn Dairy Co., Pawtucket, R. I.	
2072. PEANUTS.	Centerville Peanut Co., Centerville, Tenn.	
	J. S. Cooley & Co., Nashville, Tenn.	
	Gaulteney & Binkley, Smithfield, Va.	
	A. & R. Gennett, Nashville, Tenn.	
	Norfolk Storage Co., Norfolk, Va.	
	T. Weller Co., Vine & Water Sts., Cincinnati, O.	
2073. PEAS.	Miles & Holman, 54 West St., New York.	
2074. PORK.	Bechstein & Co., Union Stock Yards, Chicago, Ill.	
	James E. Booge & Sons, Sioux City, Iowa.	
	Coffin, Greenstreet & Fletcher, Indianapolis, Ind.	
	Jacob Dold Packing Co., Buffalo, N. Y.	
	Geo. Fowler & Son, Kansas City, Mo.	
	International Packing Co., 169 Jackson St., Chicago, Ill.	
	Kingan & Co., Indianapolis, Ind.	
	Henry Krug Packing Co., St. Joseph, Mo.	
	Lewis & Willoughby, Watsonville, Cal.	
	Minneapolis Provision Co., Minneapolis, Minn.	
	Jno. J. O'Leary & Sons, St. Paul, Minn.	
	Rohe & Bro., 344 Produce Exchange, New York.	
	Silberhorn Bros., 94 Chrystie St., New York.	
	Wm. H. Silberhorn Co., 169 Jackson St., Chicago, Ill.	
	T. M. Sinclair & Co., Cedar Rapids, Iowa.	
	John P. Squire & Co., E. Cambridge, Mass.	
	Swift & Co., Union Stock Yards, Chicago, Ill.	
	Francis Whittaker & Sons, 7th & Carr Sts., St. Louis, Mo.	
2075. POTTED GOODS.		
A. POTTED FOWL.	Calumet Canning Co., 68 W. Jackson St., Chicago., Ill.	*84
	Curtice Brothers Co., Rochester, N. Y.	
	Richardson & Robbins, Dover, Del.	
B. POTTED GAME.	Calumet Canning Co., 68 W. Jackson St., Chicago, Ill.	*84
	Curtice Brothers Co., Rochester, N. Y.	
	Franco-American Food Co., 127 Franklin St., New York.	
C. POTTED HAM.	Calumet Canning Co., 68 W. Jackson St., Chicago, Ill.	*84
	Curtice Bros. Co., Rochester, N. Y.	
D. POTTED MEATS.	Armour & Co., 506 N. Halsted St., Chicago, Ill.	
	Calumet Canning Co., 68 W. Jackson St., Chicago, Ill.	*84
E. POTTED TONGUE.	Calumet Canning Co., 68 W. Jackson St., Chicago, Ill.	*84
	Curtice Bros. Co., Rochester, N. Y.	
	Richardson & Robbins, Dover, Del.	
2076. PRESERVES.		
A. APPLE BUTTER.	Erie Preserving Co., Buffalo, N. Y.	
B. APPLE SAUCE.	Brattleboro' Jelly Co., Brattleboro', Vt.	
	J. S. Kaime, Shaker Village, N. H.	
C. BRANDIED FRUITS.	Capitol Packing Co., Sacramento, Cal.	
	Gordon & Dilworth, 565 Greenwich St., New York.	
D. FRUIT BUTTER.	Curtice Bros. & Co., Rochester, N. Y.	
	Erie Preserving Co., Buffalo, N. Y.	
	H. J. Heinz Co., Pittsburgh, Pa.	
	Michigan Fruit Butter Co., 155 Kinzie St., Chicago, Ill.	
	P. J. Ritter Conserve Co., 2156 E. Dauphin St., Philadelphia, Pa.	
E. JAMS.	Capitol Packing Co., Sacramento, Cal.	
	E. T. Cowdrey & Co., 80 Broad St., Boston, Mass.	
	Erie Preserving Co., Buffalo, N. Y.	
	Gordon & Dilworth, 565 Greenwich St., New York.	
	Oneida Community, Ltd., Community, N. Y.	
	P. J. Ritter Conserve Co., 2156 E. Dauphin St., Philadelphia, Pa.	
	San Jose Fruit Packing Co., San Jose, Cal.	
	Scammell Packing Co., San Francisco, Cal.	
F. JELLIES.	Brattleboro' Jelly Co., Brattleboro', Vt.	
	Capitol Packing Co., Sacramento, Cal.	
	Wm. H. Cohen & Co., 229 Washington St., New York.	

Desch, Bryan & Co., 1603 N. 4th St., Philadelphia, Pa.
Erie Preserving Co., Buffalo, N. Y.
Gordon & Dilworth, 565 Greenwich St., New York.
P. Haynes & Son, Wilmington, Vt.
Henry Humbert & Co., 634 Dean St., Brooklyn, N. Y.
Kemp, Day & Co., 116 Wall St., New York.
Michigan Fruit Butter Co., 155 Kinzie St., Chicago, Ill.
Wm. Numsen & Sons, Baltimore, Md.
Oneida Community, Ltd., Community, N. Y.
Reber Preserving Co., 10 River St., Chicago, Ill.
P. J. Ritter Conserve Co., 2156 E. Dauphin St., Philadelphia, Pa.
San Jose Fruit Packing Co., San Jose, Cal.
Scammel Packing Co., San Francisco, Cal.
T. A. Snider Preserve Co., 49 Sycamore St., Cincinnati, O.
W. M. Spencer & Son, 58 E. 2d St., Cincinnati, O.
T. B. Truesdell, 362 Greenwich St., New York.

G. MARMALADES.
Erie Preserving Co., Buffalo, N. Y.
Gordon & Dilworth, 565 Greenwich St., New York.
San Jose Fruit Packing Co., San Jose, Cal.

H. PRESERVED FIGS.
Barataria Canning Co., Biloxi, Miss.
Capitol Packing Co., Sacramento, Cal.
G. W. Dunbar's Sons, New Orleans, La.
Woodard & Stone, Watertown, Wis.

I. PRESERVED LIMES.
Capitol Packing Co., Sacramento, Cal.
Erie Preserving Co., Buffalo, N. Y.
Gordon & Dilworth, 565 Greenwich St., New York.
Oneida Community, Ltd., Community, N. Y.
San Jose Fruit Packing Co., San Jose, Cal.
G. W. Dunbar's Sons, New Orleans, La.

J. PRESERVED ORANGES.
Gordon & Dilworth, 565 Greenwich St., New York.

K. PRESERVED TABLE FRUITS.
Curtice Bros. Co., Rochester, N. Y.

2077. PRETZELS.
Allentown Pretzel Co., Allentown, Pa.
St. Louis Pretzel Co., 412 N. Main St., St. Louis, Mo.

2078. RAISINS.
Levi Chase, El Cajon, Cal.
Fresno Raisin & Fruit Co., Fresno, Cal.
J. T. Gordon, El Cajon, Cal.
E. H. Gould, Malaga, Cal.
Griffin & Skelley Co., Riverside, Cal.

2079. RELISHES.

A. CATSUP, TOMATO.
A. Brecht's Sons, Cedar Rapids, Iowa.
Wm. H. Cohen & Co., 229 Washington St., New York.
Curtice Bros. Co., Rochester, N. Y.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
Edesheimer Bros., 692 Greenwich St., New York.
Gordon & Dilworth, 565 Greenwich St., New York.
Chas. Gulden, 46 Elizabeth St., New York.
E. C. Hazard & Co., 119 Hudson St., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Keokuk Pickle Co., Keokuk, Iowa.
Francis H. Leggett & Co., 128 Franklin St., New York.
Meyer-Bain Mfg. Co., 319 N. Main St., St. Louis, Mo.
P. J. Ritter Conserve Co., 2156 E. Dauphin St., Philadelphia, Pa.
T. A. Snider Preserve Co., 49 Sycamore St., Cincinnati, O.
W. M. Spencer & Son, 58 E. 2d St., Cincinnati, O.
Steele Bros., New Britain, Conn.
T. B. Truesdell, 362 Greenwich St., New York.
Van Camp Packing Co., Indianapolis, Ind.

B. CELERY SALT.
Pennsylvania Chemical Mfg. Co.,514 S. 3d St., Philadelphia, Pa.

C. CHOWCHOW.
A. Brecht's Sons, Cedar Rapids, Iowa.
M. A. Gedney Pickling Co., Minneapolis, Minn.
Chas. Gulden, 46 Elizabeth St., New York.
Skilton, Foote & Co., 31 Commercial St., Boston, Mass.

D. FISH SAUCE.
Chas. Gulden, 46 Elizabeth St., New York.

E. GHERKINS.
Edesheimer Bros., 692 Greenwich St., New York.
Skilton, Foote & Co., 31 Commercial St., Boston, Mass.

F. HORSERADISH.
Skilton, Foote & Co., 31 Commercial St., Boston, Mass.

G. PEPPER SAUCE.
E. C. Hazard & Co., 119 Hudson St., New York.
E. McIlhenny, New Iberia, La.

H. PICKLES.
Amazon Vinegar & Pickling Works, Davenport, Iowa.
A. Brecht's Sons, Cedar Rapids, Iowa.
J. M. Clark & Co., Louisville, Ky.
Wm. H. Cohn & Co., 229 Washington St., New York.
H. C. Dodge & Co., 605 W. 36th St., New York.
Edesheimer Bros., 692 Greenwich St., New York.
F. Foehrenbach & Co., 229 W. 46th St., New York.
M. A. Gedney Pickling Co., Minneapolis, Minn.

Globe Pickle Co., 1004 Collins St., St. Louis, Mo.
Gordon & Dillworth, 565 Greenwich St., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Kemp, Day & Co., 116 Wall St., New York.
Keokuk Pickle Co., Keokuk, Iowa.
Kuner Pickle Co., Denver, Col.
W. K. Lewis & Bros., 93 Broad St., Boston, Mass.
Wm. Numsen & Sons, Baltimore, Md.
Philadelphia Pickling Co., 33 S. 2d St., Philadelphia, Pa.
J. P. & D. Plummer, 9 Blackstone St., Boston, Mass.
Scammel Packing Co., San Francisco, Cal.
Skilton, Foote & Co., 31 Commercial St., Boston, Mass.
Steele Bros., New Britain, Conn.
T. B. Truesdell, 362 Greenwich St., New York.
Williams Bros. & Charbonneau, Detroit, Mich.

I. SPICED SWEET PICKLES.
Brattleboro' Jelly Co., Brattleboro', Vt.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
Edesheimer Bros., 692 Greenwich St., New York.
Gordon & Dilworth, 565 Greenwich St., New York.
Oneida Community, Ltd., Community, N. Y.

J. TABLE SAUCES.
Wm. H. Cohen & Co., 229 Washington St., New York.
E. T. Cowdrey Co., 80 Broad St., Boston, Mass.
E. R. Durkee & Co., 135 Water St., New York.
Edesheimer Bros., 692 Greenwich St., New York.
Gordon & Dilworth, 565 Greenwich St., New York.
Chas. Gulden, 46 Elizabeth St., New York.
Hamell & Cortright, 25 S. Front St., Philadelphia, Pa.
E. C. Hazard & Co., 119 Hudson St., New York.
H. J. Heinz Co., Pittsburgh, Pa.
Keokuk Pickle Co., Keokuk, Iowa.
Kuner Pickle Co., Denver, Col.
Phila. Vinegar Co., Ltd., 1523 S. Front St., Philadelphia, Pa.
Scammel Packing Co., San Francisco, Cal.
Soyer Sauce Co., Meadville, Pa.
T. B. Truesdell, 362 Greenwich St., New York.

2080. SALAD DRESSING.
E. R. Durkee & Co., 135 Water St., New York.
Gordon & Dilworth, 565 Greenwich St., New York.
Chas. Gulden, 46 Elizabeth St., New York.
Horton, Cato & Co., Detroit, Mich.
P. J. Ritter Conserve Co., 2156 E. Dauphin St., Philadelphia, Pa.

2081. SALAD OIL.
American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Elwood Cooper, Santa Barbara, Cal.
Future City Oil Works Co., 610 S. Main St., St. Louis, Mo.
Hamell & Cortright, 25 S. Front St., Philadelphia, Pa.
Manhattan Oil Co., 51 Front St., New York.
John H. Scheel, 26 Moore St., New York.
Swan & Finch, 151 Maiden Lane, New York.
Henry Wichert, 77 W. Lake St., Chicago, Ill.

2082. SALTED SALMON.
Alaska Improvement Co., San Francisco, Cal.

2083. SALT, TABLE.
Bradley Salt Co., Warsaw, N. Y.
J. E. Burns Co., 41 S. Front St., Philadelphia, Pa.
J. P. Dieter, Chillicothe, O.
E. R. Durkee & Co., 135 Water St., New York.
Eddy Bros. & Co., Bay City, Mich.
Foster Ely, Syracuse, N. Y.
C. Franchot & Co., Syracuse, N. Y.
Hoyt H. Freeman, Syracuse, N. Y.
Gouinlock & Humphrey, Warsaw, N. Y.
Green, Ring & Co., Saginaw, Mich.
Haller, Beck & Co., Pittsburgh, Pa.
Hawley Salt Co., Warsaw, N. Y.
Huber & Fuhrman, Drug Mills, Fond du Lac, Wis.
Theodore F. Johnson & Co., Newark, N. J.
Geo. Leis, Lawrence, Kan.
H. M. Loud & Sons Lumber Co., Oscoda, Mich.
McEwan Bros. & Co., Bay City, Mich.
Joseph Maguire, 175 Franklin St., New York.
Murphy & Dorr, Bay City, Mich.
New York Salt Co., Syracuse, N. Y.
Pitts & Cranage, Bay City, Mich.
Rust, Eaton & Co., Saginaw, Mich.
Stickney & Poor Spice Co., 205 State St., Boston, Mass.
Syracuse Solar Salt Co., Syracuse, N. Y.
W. C. & J. M. Taylor, Pittsburgh, Pa.
Warsaw Salt Co., Warsaw, N. Y.
John White & Co., Syracuse, N. Y.

2084. SORGHUM.	Oak Hill Refining Co., Edwardsville, Ill.
2085. SPICES, GROUND.	Clawson Bros., 415 Market St., Philadelphia, Pa.
	R. Hilliers' Son Co., 46 Cedar St., New York.
	Samuel Wilde's Sons, 13 Dutch St., New York.
	Wood & Selick, 49 Jay St., New York.
	Woolson Spice Co., Toledo, O.
A. CAYENNE PEPPER.	A. Colburn Co., 110 N. 2d St., Philadelphia, Pa.
	A. C. Fitzpatrick & Co., 112 Hudson St., New York.
	Joseph Maguire, 175 Franklin St., New York.
B. MUSTARD.	A. Brecht's Sons, Cedar Rapids, Iowa.
	J. E. Burns Co., 41 S. Front St., Philadelphia, Pa.
	C. C. Burr & Co., San Francisco, Cal.
	A. Colburn Co., 110 N. 2d St., Philadelphia, Pa.
	W. G. Dean, 361 Washington St., New York.
	J. P. Dieter, Chillicothe, O.
	H. R. Droste & Co., 62 E. 2d St., Cincinnati, O.
	E. R. Durkee & Co., 135 Water St., New York.
	Fisher Packing Co., San Francisco, Cal.
	A. C. Fitzpatrick & Co., 112 Hudson St., New York.
	B. F. Gentsch & Sons, Buffalo, N. Y.
	Wm. L. Graver Co., 209 N. Front St., Philadelphia, Pa.
	J. B. Grumann, 78 Greenwich St., New York.
	Chas. Gulden, 46 Elizabeth St., New York.
	W. H. Harrison & Co., 68 Walnut St., Cincinnati, O.
	Jas. Heekin & Co., 41 W. 2d St., Cincinnati, O.
	Hudson Mfg. Co., San Francisco, Cal.
	Keokuk Pickle Co., Keokuk, Iowa.
	Kuner Pickle Co., Denver, Col.
	Jos. Maguire, 175 Franklin St., New York.
	W. M. Spencer & Son, 58 E. 2d St., Cincinnati, O.
	C. L. Stickney, 257 Bowery, New York.
	Stickney & Poor Spice Co., 205 State St., Boston, Mass.
C. SPICE MIXTURES.	A. Colburn Co., 110 N. 2d St., Philadelphia, Pa.
	A. C. Fitzpatrick & Co., 112 Hudson St., New York.
	Joseph Maguire, 175 Franklin St., New York.
2086. STARCH.	American Glucose Co., Buffalo, N. Y.
	H. Barker & Co., 74 Commercial St., Boston, Mass.
	Celluloid Starch Co., New Haven, Conn.
	J. C. Hudinger Bros. & Co., Keokuk, Iowa.
	N. Lapham, Peru, N. Y.
	Chas. Morningstar & Co., 48 Park Place, New York.
	National Starch Mfg. Co., 298 South St., New York.
	Alden Speare's Sons & Co., 3 Central Wharf, Boston, Mass.
	Stein, Hirsh & Co., 2599 Archer Av., Chicago, Ill.
A. CORN STARCH.	American Glucose Co., Buffalo, N. Y.
	Stein, Hirsh & Co., 2599 Archer Av., Chicago, Ill.
2087. SUGAR.	Baldwin & Co., Baldwin, La.
	John Barkley & Co., New Orleans, La.
	Boston Sugar Refining Co., 52 Central St., Boston, Mass.
	Brooklyn Sugar Refining Co., ft. S. 2d St., Brooklyn, N. Y.
	Bryan Bros., Water & Delta Sts., New Orleans, La.
	California Sugar Refinery, San Francisco, Cal.
	Wm. H. Chaffe & Co., Ltd., New Orleans, La.
	Chicago Sugar Refining Co., W. Taylor & Beach Sts., Chicago, Ill.
	E. H. Cunningham, Sartartia, Tex.
	Decastro & Donner Sugar Refin'g Co., ft. N. 3d St., Brooklyn, N. Y.
	Delaware Sugar Refinery, 123 S. Front St., Philadelphia, Pa.
	Delgado & Co., New Orleans, La.
	Florida Sugar Mfg. Co., St. Cloud, Fla.
	Havemeyers & Elder Sugar Ref. Co., ft. S. 4th St., Brooklyn, N. Y.
	Wm. Henderson, New Orleans, La.
	B. H. Howell, Sons & Co., Yonkers, N. Y.
	E. C. Knight & Co., 10 Chestnut St., Philadelphia, Pa.
	J. B. Levert, New Orleans, La.
	W J. McCahan & Co., 147 S. Front St., Philadelphia, Pa.
	Thos. McDermott, New Orleans, La.
	F. O. Matthiesen & Wiechers Sugar Ref. Co., Jersey City, N. J.
	Medicine Lodge Sugar Works & Ref. Co., Medicine Lodge, Kan.
	National Starch Mfg. Co., 298 South St.. New York.
	Pennsylvania Sugar Refining Co., 151 S. Front St., Phila., Pa.
	Revere Sugar Refinery, 23 Broad St., Boston, Mass.
	St. Louis Sugar Ref. Co., Main cor. Ashley Sts., St. Louis, Mo.
	Claus Spreckels Sugar R. Co., Chestnut & S. Waters Sts., Phila., Pa.
	Standard Sugar Refinery, 24 Broad St., Boston, Mass.
A. BEET SUGAR.	Oxnard Beet Sugar Co., Grand Island, Neb.
B. MAPLE SUGAR.	J. H. Barker & Co., Brattleboro', Vt.

Brattleboro' Jelly Co., Brattleboro, Vt.
Brooks & Smith, Nashville, Mich.
Vermont Maple Sugar Exchange, Brattleboro', Vt.

2088. SYRUPS.

American Glucose Co., Buffalo, N. Y.
California Sugar Refinery, San Francisco, Cal.
C. D. Chase Syrup Co., 914 N. Main St., St. Louis, Mo.
Farrell & Co., Omaha, Neb.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Wm. Lang & Son, 207 Bainbridge St., Philadelphia, Pa.
F. O. Matthiesen & Wiechers Sugar Ref. Co., Jersey City, N. J.
Medicine Lodge Sugar Works & Ref. Co., Medicine Lodge, Kan.
Meyer-Bain Mfg. Co., 319 N. Main St., St. Louis, Mo.
D. B. Scully Syrup Co,, 49 River St., Chicago, Ill.
Claus Spreckels Sugar R. Co., Chestnut & S. Water Sts., Phila., Pa.
Francis O. Woodruff, 121 W. Broadway, New York.
Robt. L. Woods, Jr., 47 Dey St., New York.

A. FIG SYRUP.

California Fig Syrup Co., San Francisco, Cal.

B. FRUIT SYRUPS.

Wm. H. Cohen & Co., 229 Washington St., New York.
G. W. Dunbar's Sons, New Orleans, La.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Hamell & Cortright, 25 S. Front St., Philadelphia, Pa.
Geo. Leis, Lawrence, Kan.
I. Calvin Shafer Co., Ltd., 86 Cortlandt St., New York.

C. GLUCOSE SYRUP.

American Glucose Co., Buffalo, N. Y.
St. Louis Syrup Refining Co., 16 N. 2d St., St. Louis, Mo.
D. B. Scully Syrup Co., 49 River St., Chicago, Ill.

D. MAPLE SYRUP.

J. H. Barker & Co., Brattleboro', Vt.
Brattleboro' Jelly Co., Brattleboro', Vt.
Curtice Brothers Co., Rochester, N. Y.
Vermont Maple Sugar Exchange, Brattleboro', Vt.

E. SORGHUM SYRUP.

Oak Hill Refining Co., Edwardsville, Ill.

2089. VINEGAR.

A. CIDER VINEGAR.

Amazon Vinegar & Pickling Works, Davenport, Iowa.
Seymour Barritt, Blissfield, Mich.
John C. Beach, Palatine Bridge, N. Y.
Brattleboro' Jelly Co., Brattleboro', Vt.
A. Brecht's Sons, Cedar Rapids, Iowa.
Burlington Vinegar & Pickle Works, Burlington. Iowa.
Central Mills, Ann Arbor, Mich.
Thomas Clements, 236 Queen St., Philadelphia, Pa.
Dahinden & Gallasch Mfg. Co., Milwaukee, Wis.
W. B. Duffy Cider Co., Rochester, N. Y.
Edesheimer Bros., 692 Greenwich St., New York.
Farrell & Co., Omaha, Neb.
M. A. Gedney Pickling Co., Minneapolis, Minn.
Genesee Fruit Co., 501 West St., New York.
B. F. Gentsch & Sons, Buffalo, N. Y.
Globe Pickle Co., 1004 Collins St., St. Louis, Mo.
Amos Haynes, 38 S. Market St., Boston, Mass.
Geo. W. Hilliard, Brighton, Ill.
Kirby Cider Co., 540 Clark St., Chicago, Ill.
Miller, Pettingill & Foster, Lansing, Mich.
Wm. Numsen & Sons, Baltimore, Md.
V. Prinz & Sons, 382 Main St., Cincinnati, O.
A. Remington, Sandusky, O.
Riedeburg & Bodden Co., Milwaukee, Wis.
John Schlegel, 130 22d St., Brooklyn, N. Y.
Milo L. Smith, Smith's Ferry, Mass.
Edward Stange, Detroit, Mich.
A. W. Walkup, Needham, Mass.

B. MALT VINEGAR.

Amazon Vinegar & Pickling Works, Davenport, Iowa.

C. WHITE WINE VINEGAR.

Amazon Vinegar & Pickling Works, Davenport, Iowa.
M. A. Gedney Pickling Co., Minneapolis, Minn.
Kuner Pickle Co., Denver, Col.
C. Molitor, Sandusky, O.
Wm. Numsen & Sons, Baltimore, Md.
J. B. Perrine, Trenton, N. J.
A. Remington, Sandusky, O.
Riedeburg & Bodden Co., Milwaukee, Wis.
Sandusky Vinegar Factory, Sandusky, O.

2090. YEAST.

A. COMPRESSED YEAST.

Fleischmann & Co., 701 Washington St., New York.
Riedeburg & Bodden Co., Milwaukee, Wis.

B. DRY HOP YEAST.

German Yeast Co., Omaha, Neb.

C. SUGAR COATED YEAST CAKES.

Sugar Coated Yeast Co., 140 Franklin St., New York.

D. YEAST CAKES.
R. B. Davis, 15 Hudson St., New York.
E. W. Gillett, 9 River St., Chicago, Ill.
Price Baking Powder Co., 184 Michigan St., Chicago, Ill.
Stickney & Poor Spice Co., 205 State St., Boston, Mass.
Vienna Pressed Yeast Co., 309 E. 27th St., New York.
Waterloo Yeast Co., Detroit, Mich.

E. YEAST POWDER.
Chapman & Smith Co., 136 W. Washington St., Chicago, Ill.
Rumford Chemical Works, Providence, R. I.
D. & L. Slade Co., 13 India St., Boston, Mass.

XXXIII. RAILWAY EQUIPMENT AND SUPPLIES.

2091. AXLES.

A. CAR AXLES.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Cayuta Wheel & Foundry Co., Sayre, Pa.
Central Iron & Steel Co., Brazil, Ind.
Eastern Forge Co., E. Deering, Me.
Fulton Foundry Co., Cleveland, O.
Fulton Iron Works, San Francisco, Cal.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Lima Machine Works, Lima, O.
Louisville Steam Forge Co., Louisville, Ky.
McKee, Fuller & Co., Catasauqua, Pa.
Michigan Car Co., Detroit, Mich.
Mowry Car Wheel Works, Eastern Av. & Lewis St., Cincinnati, O.
New Albany Forge & Rolling Mill Co., New Albany, Ind.
Otis Steel Co., Ltd., Cleveland, O.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Pottsville Iron & Steel Co., Pottsville, Pa.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
N. W. Talcott Axle Works, Springfield, Mass.
Taylor Iron Works, High Bridge, N. J.
Tredegar Co., Richmond, Va.
Troy Steel & Iron Co., Troy, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

B. HAMMERED AXLES.
McKee, Fuller & Co., Catasauqua, Pa.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.

C. LOCOMOTIVE AXLES.
Central Iron & Steel Co., Brazil, Ind.
Eastern Forge Co., E. Deering, Me.
Ensign Mfg. Co., Huntington, W. Va.
Louisville Steam Forge Co., Louisville, Ky.
Otis Steel Co., Ltd., Cleveland, O.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Taylor Iron Works, High Bridge, N. J.
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. MINE CAR AXLES.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Sheldon Axle Co., Wilkes Barre, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

E. STEEL AXLES.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Otis Steel Co., Ltd., Cleveland, O.
Sheldon Axle Co., Wilkes Barre, Pa.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.
Smith Bros. & Co., Pittsburgh, Pa.
Troy Steel & Iron Co., Troy, N. Y.

2092. BRAKES & PARTS.

A. AIR BRAKE HOSE.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Trenton, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Trenton Rubber Co., Trenton, N. J.

B. AIR BRAKE REGULATORS. Mason Regulator Co., 10 Central St., Boston, Mass.
C. AIR BRAKE WASHERS. Boston Belting Co., 256 Devonshire St., Boston, Mass.
New York Car Spring & Rubber Co., Jersey City, N. J.
D. AUTOMATIC AIR BRAKES. Boyden Power Brake Co., Baltimore, Md.
Davis Level & Tool Co., Sheffield, Mass.
Eames Vacuum Brake Co., 115 Broadway, New York.
New York Air Brake Co., 115 Broadway, New York.
Rote Automatic Brake Co., Mansfield, O.
Westinghouse Air Brake Co., Pittsburgh, Pa.
E. BRAKE HANDLES. Burns, Silver & Co., Bridgeport, Conn.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
F. BRAKE RODS. J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
G. BRAKE SHOES. Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Barnum Richardson Co., Lime Rock, Conn.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Congdon Brake Shoe Co., 519 Phenix Building, Chicago, Ill.
Fulton Foundry Co., Cleveland, O.
Lappin Brake Shoe Co., Bloomfield, N. J.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
Ramapo Wheel & Foundry Co., Ramapo, N. Y.
Ross-Mehan Brake Shoe Foundry Co., Chattanooga, Tenn.
Solid Steel Co., Alliance, O.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Union Iron Works Co., Selma, Ala.
H. BRAKE SHOES, GUN METAL. Barnum Richardson Co., Lime Rock, Conn.
I. CAR BRAKES. J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Eames Vacuum Brake Co., 115 Broadway, New York.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Rote Automatic Brake Co., Mansfield, O.
Starr Car Brake Co., Toledo, O.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Westinghouse Air Brake Co., Pittsburgh, Pa.
J. LOCOMOTIVE BRAKES. Eames Vacuum Brake Co., 115 Broadway, New York.
Westinghouse Air Brake Co., Pittsburgh, Pa.
K. STEAM BRAKES. Vulcan Iron Works, Wilkes Barre, Pa. *131
Westinghouse Air Brake Co., Pittsburgh, Pa.
L. VACUUM BRAKES. Eames Vacuum Brake Co., 115 Broadway, New York.
Westinghouse Air Brake Co., Pittsburgh, Pa.

2093. CARS, CONSTRUCTION.

Billmeyer & Small Co., York, Pa.
Carlisle Mfg. Co., Carlisle, Pa.
Knoxville Car Wheel Co., Knoxville, Tenn.
Harrison Loring, 1st St., bet. L & M Sts., S. Boston, Mass.
McFadden Co., 735 Market St., Philadelphia, Pa.
Michigan Car Co., Detroit, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.
A. DERRICK CARS. Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Industrial Works, Bay City, Mich.
Osgood Dredge Co., Albany, N. Y.
B. STEAM SHOVEL CARS. Marion Steam Shovel Co., Marion, O.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
C. TRACK LAYERS' CARS. Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Buda Foundry & Mfg. Co., Buda, Ill.
Sheffield Velocipede Car Co., Three Rivers, Mich.
D. WRECKING CARS. Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Dickson Mfg. Co., Scranton, Pa.
Industrial Works, Bay City, Mich.
Harrison Loring, 1st St., bet. L & M Sts., S. Boston, Mass.
Marion Steam Shovel Co., Marion, O.

2094. CARS, DUMP.

Albany Agricultural & Machine Works, Albany, N. Y.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Billmeyer & Small Co., York, Pa.
Bodley Wagon Co., Wheeling, W. Va.
Buda Foundry & Mfg. Co., Buda, Ill.
Carlisle Mfg. Co., Carlisle, Pa.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Dickson Mfg. Co., Scranton, Pa.
Frey-Sheckler Co., Bucyrus, O. *162
Gilbert Car Mfg. Co., Troy, N. Y.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Knoxville Car Wheel Co., Knoxville, Tenn.

Litchfield Car & Machine Co., Litchfield, Ill.
McMyler Mfg. Co., Cleveland, O.
Michigan Car Co., Detroit, Mich.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Peteler Portable Railway Mfg. Co., Minneapolis, Minn.
C. & A. Potts Co., Indianapolis, Ind.
Ribon & March, 1st & Provost Sts., Jersey City, N. J.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

A. COAL & ORE DUMP CARS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Carlisle Mfg. Co., Carlisle, Pa.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
G. L. Stuebner & Co., Long Island City, N. Y.

B. DROP BOTTOM CARS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
F. C. Austin Mfg. Co., Carpenter St. & Carroll Av., Chicago, Ill.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.

2095. CARS, FREIGHT.

Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Altoona Mfg. Co., Altoona, Pa.
Barney & Smith Mfg. Co., Dayton, O.
Billmeyer & Small Co., York, Pa.
Bloomsburg Car Co., Bloomsburg, Pa.
Bodley Wagon Co., Wheeling, W. Va.
Bowler & Co., Cleveland, O.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Brownell Car Co., 2300 N. Broadway, St. Louis, Mo.
Buffalo Car Mfg. Co., Buffalo, N. Y.
Carlisle Mfg. Co., Carlisle, Pa.
Centropolis Car & Machine Co., Centropolis, Mo.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
H. Dudley Coleman & Co., New Orleans, La.
Dickson Mfg. Co., Scranton, Pa.
Eastern Rolling Stock Co., Lowell, Mass.
Elliott Car Co., Gadsden, Ala.
Ensign Mfg. Co., Huntington, W. Va.
Erie Car Works, Ltd., Erie, Pa.
Gilbert Car Mfg. Co., Troy, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Haskell & Barker Car Co., Michigan City, Ind.
Holt Bros., Stockton, Cal.
Jackson & Sharp Co., Wilmington, Del.
Jackson & Woodin Mfg. Co., Berwick, Pa.
Laconia Car Co., Laconia, N. H.
Lafayette Car Works, Lafayette, Ind.
Lebanon Mfg. Co., Lebanon, Pa.
Litchfield Car & Machine Co., Litchfield, Ill.
Harrison Loring, 1st St., bet. L & M Sts., S. Boston, Mass.
McKee, Fuller & Co., Catasauqua, Pa.
Michigan Car Co., Detroit, Mich.
Milton Car Works, Milton, Pa.
Missouri Car & Foundry Co., 509 Chestnut St., St. Louis, Mo.
North Carolina Car Co., Raleigh, N. C.
Ottumwa Iron Works, Ottumwa, Iowa.
Pardee Car & Machine Works, Watsontown, Pa.
Peninsular Car Co., Detroit, Mich.
Pennock Bros., Minerva, O.
Pittsburgh Locomotive & Car Works, Pittsburgh, Pa.
Portland Co., Portland, Me.
Pullman's Palace Car Co., Pullman, Ill.
Roanoke Machine Works, Roanoke, Va.
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md.
St. Charles Car Co., St. Charles, Mo.
South Baltimore Car Works, Baltimore, Md.
Southern Car Works, Knoxville, Tenn.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Terre Haute Car & Mfg. Co., Terre Haute, Ind.
Tredegar Co., Richmond, Va.
U. S. Rolling Stock Co., 35 Wall St., New York.
Wason Mfg. Co., Springfield, Mass.
Watt Mining Car Wheel Co., Barnesville, O.
Wells & French Co., 505 Phenix Building, Chicago, Ill.

A. OIL TANK CARS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148

Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Gilbert Car Mfg. Co., Troy, N. Y.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Lafayette Car Works, Lafayette, Ind.
Milton Car Works, Milton, Pa.
Tredegar Co., Richmond, Va.

B. REFRIGERATOR CARS.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Dickson Mfg. Co., Scranton, Pa.
Erie Car Works, Ltd., Erie, Pa.
Gilbert Car Mfg. Co., Troy, N. Y.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Haskell & Barker Car Co., Michigan City, Ind.
Lafayette Car Works, Lafayette, Ind.
Lebanon Mfg. Co., Lebanon, Pa.
Michigan Car Co., Detroit, Mich.
Missouri Car & Foundry Co., 509 Chestnut St., St. Louis, Mo.
St. Charles Car Co., St. Charles, Mo.
Tredegar Co., Richmond, Va.

2096. CARS, HAND.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Billmeyer & Small Co., York, Pa.
J. G. Brill & Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Ensign Mfg. Co., Huntington, W. Va.
Gilbert Car Mfg. Co., Troy, N. Y.
Kalamazoo Railroad Velocipede Co., Kalamazoo, Mich.
Lafayette Car Works, Lafayette, Ind.
Pardee Car & Machine Works, Watsontown, Pa.
Russell Wheel & Foundry Co., Detroit, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.
St. Charles Car Co., St. Charles, Mo.

A. INSPECTION CARS.
Corey Car & Mfg. Co., 55 5th Av., Chicago, Ill.
Gilbert Car Mfg. Co., Troy, N. Y.
Kalamazoo Railroad Velocipede Co., Kalamazoo, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.

B. RAILWAY VELOCIPEDES.
Kalamazoo Railroad Velocipede Co., Kalamazoo, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.

C. RAILWAY VELOCIPEDES, ELECTRIC.
Midland Electric Co., Omaha, Neb.

D. ROAD MASTERS' CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
Sheffield Velocipede Car Co., Three Rivers, Mich.

E. STEAM HAND CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
Sheffield Velocipede Car Co., Three Rivers, Mich.

F. WOOD WHEEL HAND CARS.
Buda Foundry & Mfg. Co., Buda, Ill.
Sheffield Velocipede Car Co., Three Rivers, Mich.

2097. CARS, LOGGING.
Adams & Price Locomotive Machine Works, Nashville, Tenn.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Billmeyer & Small Co., York, Pa.
Butterworth & Lowe, Grand Rapids, Mich.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Corey Car & Mfg. Co., 55 5th Av., Chicago, Ill.
Lima Machine Works, Lima, O.
Missouri Car & Foundry Co., 509 Chestnut St., St. Louis, Mo.
Richmond Locomotive & Machine Works, Richmond, Va.
Roanoke Machine Works, Roanoke, Va.
Russell Wheel & Foundry Co., Detroit, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.
St. Charles Car Co., St. Charles, Mo.
Tredegar Co., Richmond, Va.

2098. CARS, MINE.
Adams & Price Locomotive Machine Works, Nashville, Tenn.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Altoona Mfg. Co., Altoona, Pa.
Belleville Pump & Skein Works, Belleville, Ill.
Billmeyer & Small Co., York, Pa.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Buda Foundry & Mfg. Co., Buda, Ill.
Chattanooga Car & Foundry Co.. Chattanooga, Tenn.
Dickson Mfg. Co., Scranton, Pa.
Ensign Mfg. Co., Huntington, W. Va.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Kenney & Co.. Scottdale, Pa.
Lebanon Mfg. Co., Lebanon, Pa.
Lima Machine Works, Lima, O.
Pardee Car & Machine Works, Watsontown, Pa.
Roanoke Machine Works, Roanoke, Va.
Russell Wheel & Foundry Co., Detroit, Mich.

St. Charles Car Co., St. Charles, Mo.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Tredegar Co., Richmond, Va.

A. IRON COAL CARS.
F. H. Evans, 599 Kent Av., Brooklyn, N. Y.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
G. L. Stuebner & Co., Long Island City, N. Y.

B. PIT CARS.
Corey Car & Mfg. Co., 55 5th Av., Chicago, Ill.
Litchfield Car & Machine Co., Litchfield, Ill.

C. STEEL MINING CARS.
Jackson Mfg. Co., Harrisburg, Pa.

2099. CARS, PASSENGER.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Barney & Smith Mfg. Co., Dayton, O.
Billmeyer & Small Co., York, Pa.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Carlisle Mfg. Co., Carlisle, Pa.
Centropolis Car & Machine Co., Centropolis, Mo.
H. Dudley Coleman & Co., New Orleans, La.
Eastern Rolling Stock Co., Lowell, Mass.
Gilbert Car Mfg. Co., Troy, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Haskell & Barker Car Co., Michigan City, Ind.
Holt Bros., Stockton, Cal.
Jackson & Sharp Co., Wilmington, Del.
Laconia Car Co., Laconia, N. H.
Lafayette Car Works, Lafayette, Ind.
Lebanon Mfg. Co., Lebanon, Pa.
Litchfield Car & Machine Co., Litchfield, Ill.
Michigan Car Co., Detroit, Mich.
Ohio Falls Car Co., Jeffersonville, Ind.
Peninsular Car Co., Detroit, Mich.
Pullman's Palace Car Co., Pullman, Ill.
St. Charles Car Co., St. Charles, Mo.
St. Louis Car Co., 3023 N. Broadway, St. Louis, Mo.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Tredegar Co., Richmond, Va.
Wason Mfg. Co., Springfield, Mass.

A. BAGGAGE CARS.
Barney & Smith Mfg. Co., Dayton, O.
Gilbert Car Mfg. Co., Troy, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Jackson & Sharp Co., Wilmington, Del.
Kalamazoo R. R. Velocipede Co., Kalamazoo, Mich.
Pardee Car & Machine Works, Watsontown, Pa.
St. Charles Car Co., St. Charles, Mo.
W. Irving Scott, Bridgewater, N. Y.

B. DINING CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
Pullman's Palace Car Co., Pullman, Ill.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Wagner Palace Car Co., Vanderbilt Av. & E. 44th St., New York.

C. DRAWING ROOM CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
Pullman's Palace Car Co., Pullman, Ill.
Wagner Palace Car Co., Vanderbilt Av. & E. 44th St., New York.
Wason Mfg. Co., Springfield, Mass.

D. EXCURSION CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
St. Charles Car Co., St. Charles, Mo.

E. MAIL CARS.
Barney & Smith Mfg. Co., Dayton, O.
Gilbert Car Mfg. Co., Troy, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Kalamazoo R. R. Velocipede Co., Kalamazoo, Mich.
Pardee Car & Machine Works, Watsontown, Pa.
W. Irving Scott, Bridgewater, N. Y.
St. Charles Car Co., St. Charles, Mo.

F. OBSERVATION CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
Lebanon Mfg. Co., Lebanon, Pa.
Sheffield Velocipede Car Co., Three Rivers, Mich.

G. SLEEPING CARS.
Gilbert Car Mfg. Co., Troy, N. Y.
Jackson & Sharp Co., Wilmington, Del.
Pullman's Palace Car Co., Pullman, Ill.
Wagner Palace Car Co., Vanderbilt Av. & E. 44th St., New York.

2100. CARS, PLANTATION.
Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
H. Dudley Coleman Machinery Co., Ltd., New Orleans, La.
Colwell Iron Works, 549 W. 27th St., New York.
Gilbert Car Mfg. Co., Troy, N. Y.

Russell Wheel & Foundry Co., Detroit, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.
John Turl & Sons, 534 W. 28th St., New York.

2101. CARS, PUSH.

Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Gilbert Car Mfg. Co., Troy, N. Y.
Lafayette Car Works, Lafayette, Ind.
St. Charles Car Co., St. Charles, Mo.
Sheffield Velocipede Car Co., Three Rivers, Mich.
G. L. Stuebner & Co., Long Island City, N. Y.

A. MILL YARD CARS.

Gilbert Car Mfg. Co., Troy, N. Y.
Russell Wheel & Foundry Co., Detroit, Mich.

B. WOOD WHEEL PUSH CARS.

Buda Foundry & Mfg. Co., Buda, Ill.

2102. CARS, STREET RAILWAY.

Adams & Price Locomotive Machine Works, Nashville, Tenn.
Altoona Mfg. Co., Altoona, Pa.
Briggs Carriage Co., Amesbury, Mass.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Brownell Car Co., 2300 N. Broadway, St. Louis, Mo.
Centropolis Car & Machine Co., Centropolis, Mo.
Ellis Car Co., Amesbury, Mass.
Gilbert Car Mfg. Co., Troy, N. Y.
Laclede Car Co., 4500 N. 2d St., St. Louis, Mo.
Lamokin Car Works, 222 S. 3d St., Philadelphia, Pa.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
McGuire Mfg. Co., 122 N. Sangamon St., Chicago, Ill.
Pullman's Palace Car Co., Pullman, Ill.
St. Charles Car Co., St. Charles, Mo.
St. Louis Car Co., 3023 N. Broadway, St. Louis, Mo.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220

A. CABLE CARS.

Briggs Carriage Co., Amesbury, Mass.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Brownell Car Co., 2300 N. Broadway, St. Louis, Mo.
Centropolis Car & Machine Co., Centropolis, Mo.
Ellis Car Co., Amesbury, Mass.
Laclede Car Co., 4500 N. 2d St., St. Louis, Mo.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Newburyport Car Mfg. Co., Newburyport, Mass.
Pullman's Palace Car Co., Pullman, Ill.
St. Charles Car Co., St. Charles, Mo.
St. Louis Car Co., 3023 N. Broadway, St. Louis, Mo.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220

B. ELECTRIC CARS.

Briggs Carriage Co., Amesbury, Mass.
Brownell Car Co., 2300 N. Broadway, St. Louis, Mo.
Centropolis Car & Machine Co., Centropolis, Mo.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Ellis Car Co., Amesbury, Mass.
Gilbert Car Mfg. Co., Troy, N. Y.
Laclede Car Co., 4500 N. 2d St., St. Louis, Mo.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Midland Electric Co., Omaha, Neb.
National Electric Traction Co., Detroit, Mich.
Newburyport Cor Mfg. Co., Newburyport, Mass.
Pullman's Palace Car Co., Pullman, Ill.
St. Charles Car Co., St. Charles, Mo.
St. Louis Car Co., 3023 N. Broadway, St. Louis, Mo.
Short Electric Railway Co., Cleveland, O.
Thomson-Houston E. Co., 620 Atlantic Av., Boston, Mass.
Union Electric Car Co., 18 Post Office Square, Boston, Mass.

C. GAS MOTOR CARS.

Connelly St. Railway Equipment Co., 111 Broadway, New York.

D. STEAM MOTOR CARS.

Brownell Car Co., 2300 N. Broadway, St. Louis, Mo.
Centropolis Car & Machine Co., Centropolis, Mo.
Ellis Car Co., Amesbury, Mass.
Laclede Car Co., 45 N. 2d St., St. Louis, Mo.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Newburyport Car Co., Newburyport, Mass.
Pullman's Palace Car Co., Pullman, Ill.
St. Charles Car Co., St. Charles, Mo.
St. Louis Car Co., 3023 N. Broadway, St. Louis, Mo.
Steam Storage Power Co., 114 State St., Boston, Mass.

E. TRAMWAY SLEEPING CARS.

J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Gilbert Car Mfg. Co., Troy, N. Y.

2103. CAR AXLE BOXES.

A. BRONZE JOURNAL BEARINGS.

De-Oxidized Metal Co., Bridgeport, Conn.
Geo. R. Meneely & Son, W. Troy, N. Y.
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.

	A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.
B. CAR JOURNAL BEARINGS.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
	Atlas Bronze & Tuyere Co., Pittsburgh, Pa.
	J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
	De-Oxidized Metal Co., Bridgeport, Conn.
	Diamond State Car Spring Co., Wilmington, Del.
	E. S. Greeley & Co., 5 Dey St., New York.
	G. W. & B. F. Greene & Co., Pittsburgh, Pa.
	Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
	James J. McKenna & Bro., 424 E. 23d St., New York.
	Geo. R. Meneely & Son, W. Troy, N. Y.
	Milwaukee Brass & Copper Works, Milwaukee, Wis.
	Post & Co., 217 W. 4th St., Cincinnati, O.
	Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia. Pa.
	Tripp Mfg. Co., 180 Summer St , Boston, Mass.
	Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
C. COAL CAR BOXES.	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
D. JOURNAL BOX DUST GUARDS.	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
	Reuter & Mallory, Baltimore, Md.
	Vulcanized Fibre Co., Wilmington, Del.
E. JOURNAL BOX LIDS.	Kinzer & Jones Mfg. Co., Pittsburgh, Pa.
F. JOURNAL BRASSES.	Atlas Bronze & Tuyere Co., Pittsburgh, Pa.
	Ensign Mfg. Co., Huntington, W. Va.
	E. S. Greeley & Co., 5 Dey St., New York.
	Geo. R. Meneely & Son, W. Troy, N. Y.
	St. Paul Brass Works, St. Paul, Minn.
	Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
	Vulcan Iron Works, Wilkes Barre, Pa. *131
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
G. STREET CAR JOURNAL BOXES.	J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
	John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
H. STREET CAR RUNNING GEARS.	Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
	McGuire Mfg. Co., 122 N. Sangamon St., Chicago, Ill.
	John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
2104. CAR BUMPERS.	
A. BUMPER PLATES.	Dickson Mfg. Co., Scranton, Pa.
B. RUBBER BUMPERS.	Cleveland Rubber Co., Cleveland, O.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
2105. CAR DOOR SEALS.	E. J. Brooks & Co., 51 Dey St., New York.
	Buffalo Seal & Press Co., Buffalo, N. Y.
	Hoke Car Door Fastener Co., Chambersburg, Pa.
	New York Stencil Works, 100 Nassau St., New York.
	Pacific Lock & Seal Co., 1912 Olive St., St. Louis, Mo.
	Transcontinental C. L. & Seal Co., Rookery Bldg, Chicago, Ill.
2106. CAR MANUFACTURERS' SUPPLIES.	
A. BELL CORD COUPLINGS.	American Railway Supply Co., 24 Park Place, New York.
	Ossawan Mills Co., Norwich, Conn. *65
	Silver Lake Co., Newtonville, Mass.
B. BERTH FIXTURES.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
C. CAR CASTINGS.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
	Ensign Mfg. Co., Huntington, W. Va.
	Lafayette Car Works, Lafayette, Ind.
	Lake Shore Foundry, Cleveland, O.
	Lobdell Car Wheel Co., Wilmington, Del.
	Mellert Foundry & Machine Co., Ltd., Reading, Pa.
	Mowry Car Wheel Works, Eastern Av. & Lewis St., Cincinnati, O.
	New York Car Wheel Works, Buffalo, N. Y.
	Pardee Car & Machine Works, Watsontown, Pa.
	Pratt & Letchworth, Buffalo, N. Y.
	Sheffield Volocipede Car Co., Three River, Mich.
	Vulcan Iron Works, Wilkes Barre, Pa. *131
D. CAR CEILINGS.	Forsythe & Co., 159 Degraw St., Brooklyn, N. Y.
	Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
	John Stephenson Co., Ltd., 47 E. 27th St , New York. *220
E. CAR CHANNELS.	New Albany Forge & Rolling Mill Co., New Albany, Ind.
F. CAR CLOSETS.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
	Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.
	Jas. L. Howard & Co., Hartford, Conn.
	Post & Co., 217 W. 4th St., Cincinnati, O.
G. CAR FORGINGS.	Allison Mfg. Co., 32d & Walnut Sts., Philadelphia, Pa.
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
	Diamond State Iron Co., Wilmington, Del.
	Hoopes & Townsend, 1330 Buttonwood St., Philadelphia, Pa.
	Taylor Iron Works, High Bridge, N. J.

		Vulcan Iron Works, Wilkes Barre, Pa. *131
H.	CAR DECKING.	Texas Tram & Lumber Co., Beaumont, Tex.
I.	CAR GATES.	R. Bliss Mfg. Co., Pawtucket, R. I.
		Goodwin Car Gate Co., Providence, R. I.
J.	CAR HARDWARE.	W. G. Cremer & Co., 96 John St., New York.
		Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
		Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
		Post & Co., 217 W. 4th St., Cincinnati, O.
K.	CAR HOOKS.	G. M. Stanwood & Co., Portland, Me.
		Taylor Iron Works, High Bridge, N. J.
		Vaughan & Bushnell Mfg. Co., 889 Carroll Av., Chicago, Ill.
L.	CAR IRONS.	Montour Iron & Steel Co., Danville, Pa.
		Sharon Boiler Works, Ltd., Sharon, Pa.
		Vulcan Iron Works, Wilkes Barre, Pa. *131
M.	CAR LAMBREQUINS.	Brussels Tapestry Co., Ardsley, N. Y.
		Robert Lewis, Somerset cor. Hancock Sts., Philadelphia, Pa.
N.	CAR PANELS.	J. G. Brill Co., 62d St., & Woodland Av., Philadelphia, Pa. *38
		Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
		John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
		James A. Trimble, 220 E. 28th St., New York.
O.	CAR ROOFING.	Linton Mfg. Co., E. Saginaw, Mich.
		Wm. B. Mershon & Co., E. Saginaw, Mich.
P.	CAR SIDING.	Linton Mfg. Co., E. Saginaw, Mich.
		Wm. B. Mershon & Co., E. Saginaw, Mich.
		W. H. H. Smith & Co., Toledo, O.
		Texas Tram & Lumber Co., Beaumont, Tex.
Q.	CAR SILLS.	L. R. Millen & Co., 16 Beaver St., New York.
R.	CAR VENTILATORS.	W. G. Creamer & Co., 96 John St., New York.
		Globe Ventilator Co., Troy, N. Y.
		Fred. J. Myers Mfg. Co., Covington, Ky.
		Post & Co., 217 W. 4th St., Cincinnati, O.
		Jas. Spear Stove & Heating Co., 1014 Market St., Phila., Pa.
		Standard Car Heating & Ventilating Co., Pittsburgh, Pa.
S.	CAR WEATHER STRIPS.	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
		New Jersey Car Spring & Rubber Co., Jersey City, N. J.
		Patent Metallic Weather Strip Co., 74 W. 23d St., New York.
		Samuel Roebuck, 172 Fulton St., New York.
T.	CAR WINDOW SHADES.	Brussels Tapestry Co., Ardsley, N. Y.
U.	EQUALIZING BARS.	Eastern Forge Co., E. Deering, Me.
		N. W. Talcott Axle Works, Springfield, Mass.
V.	FREIGHT CAR DOORS.	McGuire Mfg. Co., 122 N. Sangamon St., Chicago, Ill.
W.	FREIGHT CAR ROOFS.	Empire Car Roofing Co., 37 Market St., Chicago, Ill.
X.	GRAIN CAR DOORS.	McGuire Mfg. Co., 122 N. Sangamon St., Chicago, Ill.
		Sheffield Velocipede Car Co., Three Rivers, Mich.
Y.	RAILWAY CAR FITTINGS.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
		W. G. Creamer & Co., 96 John St., New York.
		Jas. L. Howard & Co., Hartford, Conn.
		Victor Knecht, 195 Wade St., Cincinnati, O.
		Stewart & Mattson Mfg. Co., 205 N. 15th St., Philadelphia, Pa.
Z.	RAILWAY CAR TRIMMINGS.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
		W. G. Creamer & Co., 96 John St., New York.
		Dayton Mfg. Co., Dayton, O.
		Edgewood Co., New Haven, Conn.
		E. S. Greeley & Co., 5 Dey St., New York.
		Jas. L. Howard & Co., Hartford, Conn.
		Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
		James J. McKenna & Bro., 424 E. 23d St., New York.
		Miller Lock Co., Frankford, Philadelphia, Pa.
		Joseph Neumann Co., 11th & Race Sts., Philadelphia, Pa.
		Post & Co., 217 W. 4th St., Cincinnati, O.
		Josephine D. Smith, 352 Pearl St., New York.
		Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.
AA.	STREET CAR BELL STRAPS.	Union Hardware Co., Torrington, Conn.
BB.	STREET CAR CASTINGS.	Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
		Post & Co., 217 W. 4th St., Cincinnati, O.
		Taunton Locomotive Mfg. Co., Taunton, Mass.
CC.	STREET CAR DOOR HANGERS.	John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
DD.	STREET CAR GONGS.	Post & Co., 217 W. 4th St., Cincinnati, O.
EE.	STREET CAR LAMPS.	Dayton Mfg. Co., Dayton, O.
		Gilbert Car Mfg. Co., Troy, N. Y.
		Post & Co., 217 W. 4th St., Cincinnati, O.
		Josephine D. Smith, 352 Pearl St., New York.
FF.	STREET CAR SAND BOXES.	Victor Knecht, 195 Wade St., Cincinnati, O.
		Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
GG.	STREET CAR TRIMMINGS.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.

Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Post & Co., 217 W. 4th St., Cincinnati, O.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220

2107. CAR MOVERS.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Cahill, Collins & Co., 488 N. 4th St., St. Louis, Mo.
Thornburgh & Glessner, 110 S. Jefferson St., Chicago, Ill.

A. POWER CAR PULLERS.
Barnard & Leas Mfg. Co., Moline, Ill.
E. H. Pease Mfg. Co., Racine, Wis.
Webster Mfg. Co., 195 S. Canal St., Chicago, Ill.

2108. CAR REPLACERS.
Harrisburg Car Mfg. Co., Harrisburg, Pa.

2109. CAR SEATS.
Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
George M. Clark & Co., 157 Superior St., Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Forsythe & Co., 129 Degraw St., Brooklyn, N. Y.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
Hartford Woven Wire Mattress Co., Hartford, Conn.
Johnston Car Seat Co., 5 Grand Pacific St., Chicago, Ill.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
James A. Trimble, 220 E. 28th St., New York.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

A. CAR SEAT RADIATORS.
National Pipe Bending Co., 132 River St., New Haven, Conn

B. CAR SEAT SPRINGS.
American Pin Co., Waterbury, Conn.
Wallace Barnes, Bristol, Conn.
Hartford Woven Wire Mattress Co., Hartford, Conn.

C. PARLOR CAR CHAIRS.
Marks Adjust. Fold. Chair Co., Ltd., 930 Broadway, New York.

D. RAILWAY CAR CHAIRS.
Adams & Westlake Co., Ontario & Franklin Sts , Chicago, Ill.
W. G. Creamer & Co., 96 John St., New York.
E. S. Greeley & Co., 5 Dey St., New York.
Johnston Car Seat Co., 5 Grand Pacific St., Chicago, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

E. RECLINING CAR CHAIRS.
Marks Adjust. Fold. Chair Co., Ltd., 930 Broadway, New York.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.

F. STREET CAR SEATS.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Dayton Mfg. Co., Dayton, O.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220

2110. CAR SPRINGS.
Anderson, Dupuy & Co., Pittsburgh, Pa.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Burns, Silver & Co., Bridgeport, Conn.
Chicago Tire & Spring Co., Melrose, Ill.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Middleton Car Spring Co., 945 Ridge Av., Philadelphia, Pa.
Chas. Scott Spring Co., 1028 New Market St., Philadelphia, Pa.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Richard Vose, 115 Broadway, New York.

A. ELLIPTIC CAR SPRINGS.
Detroit Steel & Spring Co., Detroit, Mich.
Farist Steel Co., Bridgeport, Conn.
A. French Spring Co., Ltd., Pittsburgh, Pa.
Morgan Spring Co., Worcester, Mass.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
Richard Vose, 115 Broadway, New York.

B. GRADUATED CAR SPRINGS.
Richard Vose, 115 Broadway, New York.

C. RUBBER CAR SPRINGS.
Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Car Spring Co., 146 Franklin St., Boston, Mass.
Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
Carlos French, Seymour, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York. *182
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.

D. SPIRAL CAR SPRINGS.
Anderson, Dupuy & Co., Pittsburgh, Pa.
Detroit Steel & Spring Co., Detroit, Mich.
Farist Steel Co., Bridgeport, Conn.
A. French Spring Co., Ltd., Pittsburgh, Pa.
Richard Vose, 115 Broadway, New York.

E. STEEL CAR SPRINGS.
Anderson, Dupuy & Co., Pittsburgh, Pa.
Betts Spring Co., San Francisco, Cal.
Cambria Iron Co., Johnstown, Pa.

Chicago Tire & Spring Co., Melrose, Ill.
Cleveland Spring Co., Cleveland, O.
Detroit Steel & Spring Co., Detroit, Mich.
Farist Steel Co., Bridgeport, Conn.
A. French Spring Co., Pittsburgh, Pa.
Harlan & Hollingsworth Co., Wilmington, Del.
Middleton Car Spring Co., 945 Ridge Av., Philadelphia, Pa.
Morgan Spring Co., Worcester, Mass.
Pickering Spring Co., Ltd., Penn. Av. & N. 18th St , Phila., Pa.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
Chas. Scott Spring Co., 1028 New Market St., Philadelphia, Pa.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.
Richard Vose, 115 Broadway, New York.

2111. CASTINGS, RAILWAY.

Ajax Metal Co., 34 Richmond St., Philadelphia, Pa.
Barney & Smith Mfg. Co., Dayton, O.
Barnum Richardson Co., Lime Rock, Conn.
J. H. Bass, 97 Dearborn St., Chicago, Ill.
Bass Foundry & Machine Works, Fort Wayne, Ind.
Baugher, Kurtz & Stewart, York, Pa.
Bingham & Taylor, 236 Genesee St., Buffalo N. Y.
Bowler & Co., Cleveland, O.
Buda Foundry & Mfg. Co., Buda, Ill.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Cleveland Wheel & Foundry Co., Cleveland, O.
Detroit Car Wheel Co., Detroit, Mich.
Ensign Mfg. Co., Huntington, W. Va.
Farrar, Trefts & Rood, Buffalo, N. Y.
Fort Madison Iron Works Co., Fort Madison, Iowa.
Fulton Foundry Co., Cleveland, O.
Griffin Car Wheel Co., Detroit, Mich.
Griffin Wheel & Foundry Co., 138 Jackson St., Chicago, Ill.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
R. F. Hawkins Iron Works, Springfield, Mass.
Lafayette Car Works, Lafayette, Ind.
Lobdell Car Wheel Co., Wilmington, Del.
Mellert Foundry & Machine Co., Ltd., Reading, Pa.
Michigan Car Co., Detroit, Mich.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Missouri Car & Foundry Co., 509 Chestnut St., St. Louis, Mo.
Mowry Car Wheel Works, Eastern Av. & Lewis St., Cincinnati, O.
Pardee Car & Machine Works, Watsontown, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Ramapo Iron Works, Hillburn, N. Y.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Solid Steel Co., Alliance, O.
Springfield Foundry Co., Springfield, Mass.
Standard Steel Casting Co , Thurlow, Pa.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Terre Haute Car & Mfg. Co., Terre Haute, Ind.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wason Mfg. Co., Springfield, Mass.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

A. STREET RAILWAY TRACK CASTINGS.

Dorner & Dutton, Cleveland, O.
William S. Rhodes & Co., 2307 Wood St., Phila., Pa.

B. TRACK CASTINGS.

Fulton Foundry Co., Cleveland, O.
William S. Rhodes & Co., 2307 Wood st., Phila., Pa.
William Wharton, Jr. & Co., 330 Walnut St., Phila., Pa.

2112. CATTLE GUARDS.

National Surface Guard Co., 445 The Rookery, Chicago, Ill.

2113. CHAINS, RAILWAY.

Bradlee & Co., Beach St. & E. Susq'anna Av., Phila., Pa.
J. B. Carr & Co., Troy, N. Y.
W. G. Creamer & Co., 96 John St., New York.
R. Estabrook & Son, 226 Washington St., Boston, Mass.
Jas. McKay & Co., Pittsburgh, Pa.
Miller Chain Works, Akron, O.
Nes Chain Mfg. Co., York, Pa.

2114. COALING CHUTES, LOCOMOTIVE.

Williams, White & Co., Moline, Ill.

2115. COUPLERS.

A. CAR COUPLERS.

Cowell Platform & Coupling Co., Cleveland, O.
Hicks Automatic Car Couple Co., Rockland, Me.
Hinson Car Coupler Co., Des Moines, Iowa.
McConway & Torley Co., Pittsburgh, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Solid Steel Co., Alliance, O.

Standard Car Coupling Co., Troy, N. Y.

B. COUPLING LINKS.
Ajax Forge Co., 602 Phenix Building, Chicago, Ill.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Michigan Car Co., Detroit, Mich.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Tredegar Co., Richmond, Va.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. COUPLING PINS.
Buffalo Forge Co., Buffalo, N. Y.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Michigan Car Co., Detroit, Mich.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Tredegar Co., Richmond, Va.

D. DRAW BARS.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Mall. Iron Co., Cleveland, O.
Edge Moor Iron Co., Edge Moor, Del.
Louisville Steam Forge Co., Louisville, Ky.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Solid Steel Co. Alliance, O.
Taylor Iron Works, High Bridge, N. J.

E. FREIGHT CAR COUPLERS
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Wheel & Fdry Co., Cleveland, O.
Cowell Platform & Coupling Co., Cleveland, O.
Hinson Car Coupler Co., Des Moines, Iowa.
Marks Automatic Car Coupling Co., Cleveland, O.
Pratt & Letchworth, Buffalo, N. Y.

F. LOCOMOTIVE SWITCHING ROPES
Hazard Mfg. Co., Wilkes Barre, Pa.

2116. CROSSINGS.
Ajax Forge Co., 602 Phenix Building, Chicago, Ill.
Allentown Rolling Mills, Allentown, Pa.
Bowler & Co., Cleveland, O.
Carlisle Mfg. Co., Carlisle, Pa.
Cleveland Frog & Crossing Co., Cleveland, O.
Dickson Mfg. Co., Scranton, Pa.
Fulton Foundry Co., Cleveland, O.
R. F. Hawkins Iron Works, Springfield, Mass.
Johnson Co., Johnstown, Pa.
Kansas City Switch & Frog Co., Kansas City, Mo.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Morden Frog & Crossing Works, 234 Clark St., Chicago, Ill.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Weir Frog Co., Front & Smith Sts., Cincinnati, O.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.

2117. CROSSING GATES.
Jonson Foundry & Machine Co., 541 E. 118th St., New York.
Mills Railroad Gate Co., 915 Lasalle St., Chicago, Ill.

2118. ELEVATED RAILWAYS.
King Iron Bridge & Mfg. Co., Cleveland, O
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Trenton Iron Co., Trenton, N. J.
Union Bridge Co., Buffalo, N. Y.

2119. ELECTRIC RAILWAYS.
Edison Genl. Electric Co., Edison Bldg., Broad St., N. Y. *256
Short Electric Railway Co., Cleveland, O.
Thomson-Houston Elec. Co., 620 Atlantic Av., Boston, Mass

2120. FARE BOXES.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Brownell Car Co., 2300 N. Broadway, St. Louis, Mo.
Electric Fare Box Co., Nashville, Tenn.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Milton T. Masson, 365 Av. A, New York.
St. Louis Car Co., 3015 N. Broadway, St. Louis, Mo.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Wales Mfg. Co., Syracuse, N. Y.

2121. FARE REGISTERS.
American Electric Register Co., 620 Atlantic Av., Boston, Mass.
Benton Mfg. Co., 291 W. 11th St., New York.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Milton T. Masson, 365 Av. A, New York.
Railway Register Mfg. Co., Buffalo, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Standard Index & Register Co., 138 Fulton St., New York.

2122. FORGINGS, RAILWAY.
Bass Foundry & Machine Works, Fort Wayne, Ind.
Brown & Patterson, Marcy Av. & Hope St., Brooklyn, N. Y.

Buda Foundry & Mfg. Co., Buda, Ill.
Central Iron & Steel Co., Brazil, Ind.
Detroit Bridge & Iron Works, Detroit, Mich.
Empire Portable Forge Co., Lansingburgh, N. Y.
Ensign Mfg. Co., Huntington, W. Va.
Farist Steel Co., Bridgeport, Conn.
Foos Mfg. Co., Springfield, O.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
R. F. Hawkins Iron Works, Springfield, Mass.
Howe, Brown & Co., Ltd., Pittsburgh, Pa.
Michigan Car Co., Detroit, Mich.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Pardee Car & Mach. Works, Watsontown, Pa.
Paterson Iron Co., Paterson, N. J.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Standard Steel Works, 220 S. 4th St., Philadelphia, Pa.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Taylor Iron Works, High Bridge, N. J.
Tredegar Co., Richmond, Va.

2123. FROGS.

Ajax Forge Co., 602 Phenix Building, Chicago, Ill.
Allentown Rolling Mills, Allentown, Pa.
Barney & Smith Mfg. Co., Dayton, O.
Bowler & Co., Cleveland, O.
Campbell Solid Steel Frog & R. R. Crossing Wks., Bucyrus, O.
Carlisle Mfg. Co., Carlisle, Pa.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Cleveland Wheel & Foundry Works, Cleveland, O.
Elliot Frog & Switch Co., E. St. Louis, Ill.
Geo. A. Evans, 40 Wall St., New York.
Excelsior Iron Works Co., Cleveland, O.
Fulton Foundry Co., Cleveland, O.
R. F. Hawkins Iron Works, Springfield, Mass.
Jersey City Iron Works, Jersey City, N. J.
Johnson Co., Johnstown, Pa.
Kansas City Switch & Frog Co., Kansas City, Mo.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Louisville Bridge & Iron Co., Louisville, Ky.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Montour Iron & Steel Co., Danville, Pa.
Morden Frog & Crossing Works, 234 Clark St., Chicago, Ill.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wason Mfg. Co., Springfield, Mass.
Weir Frog Co., Front & Smith Sts., Cincinnati, O.
Wm. Wharton, Jr. & Co., 333 Walnut St., Philadelphia, Pa.
Wharton R. R. Switch Co., 124 Forrest Bldg., Philadelphia, Pa.

A. FROG PLATES.
Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.

B. FROG POINTS.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.

C. MINE TRACK FROGS.
Dickson Mfg. Co., Scranton, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

D. WRECKING FROGS.
Elliot Frog & Switch Co., E. St. Louis, Ill.
B. E. Tilden & Co., Cleveland, O.

2124. PORTABLE RAILWAYS.

Corey Car & Mfg. Co., 55 5th Av., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa
Peteler Portable Railway Mfg. Co., Minneapolis, Minn.
John Turl & Sons, 534 W. 28th St., New York.

A. PORTABLE CURVES.
Peteler Portable Railway Mfg Co., Minneapolis, Minn.

B. PORTABLE PLANTATION RAILWAYS.
Colwell Iron Works, 549 W. 27th St., New York.
John Turl & Sons, 534 W. 28th St., New York.

2125. RAILS.

Akron Iron Co., Akron, O.
Allentown Rolling Mills, Allentown, Pa.
Birmingham Rolling Mill Co., Birmingham, Ala.
Calumet Iron & Steel Co., 517 Rookery Bldg., Chicago, Ill.
Carnegie Bros. & Co., Ltd., Pittsburgh, Pa.
Central Iron & Steel Co., Brazil, Ind.
Helmbacher F.&R. Mills Co., Barton & DeKalb Sts., St. Louis, Mo.
Knoxville Iron Co., Knoxville, Tenn.
Lackawanna Iron & Steel Co., Scranton, Pa.
Lookout Iron Co., Chattanooga, Tenn.
New Albany Rail Mill Co., New Albany, Ind.
New Jersey Steel & Iron Co., Trenton, N. J.

North Branch Steel Co., Danville, Pa.
Ohio Iron Co., Zanesville, O.
Pacific Rolling Mill Co., San Francisco, Cal.
Phœnix Iron Co., Phœnixville, Pa.
Pottsville Iron & Steel Co., Pottsville, Pa.
Roane Iron Co., Chattanooga, Tenn.
Sharon Iron Co., Sharon, Pa.
Springfield Iron Co., Springfield, Ill.
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.
Trenton Iron Co., Trenton, N. J.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Union Rolling Mill Co., Cleveland, O.
Virginia Nail & Iron Works Co., Lynchburg, Va.
Wabash Iron Co., Terre Haute, Ind.

A. CURVED RAILS.
Fulton Foundry Co., Cleveland, O.
Johnson Co., Johnstown, Pa.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.

B. GUARD RAILS.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill

C. IRON RAILS.
Allentown Rolling Mills, Allentown, Pa.
Bethlehem Iron Co., Bethlehem, Pa.
Birmingham Rolling Mill Co., Birmingham, Conn.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Fulton Foundry Co., Cleveland, O.
Indianapolis Rolling Mill Co., Indianapolis, Ind.
H. Lloyd, Son & Co., Pittsburgh, Pa.
Montour Iron & Steel Co., Danville, Pa.
Riverside Iron Works, Wheeling, W. Va.
Springfield Iron Co., Springfield, Ill.
Troy Steel & Iron Co., Troy, N. Y.

D. LIGHT "T" RAILS.
Ætna Iron & Steel Co., Bridgeport, O.
American Iron & Steel Works, Pittsburgh, Pa.
Bessemer Rolling Mill, Bessemer, Ala.
Cambria Iron Co., Johnstown, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Johnson Co., Johnstown, Pa.
Lackawanna Iron & Steel Co., Scranton, Pa.
Lookout Iron Co., Chattanooga, Tenn.
Montour Iron & Steel Co., Danville, Pa.
New Albany Rail Mill Co., New Albany, Ind.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Riverside Iron Works, Wheeling, W. Va.
Springfield Iron Co., Springfield, Ill.
Tide Water Steel Works, Chester, Pa.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Wabash Iron Co., Terre Haute, Ind.

E. MINE RAILS.
Benj. Atha & Co., Newark, N. J.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
New Albany Rail Mill Co., New Albany, Ind.
Springfield Iron Co., Springfield, Ill.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.

F. STEEL RAILS.
Ætna Iron & Steel Co., Bridgeport, O.
Allentown Rolling Mills, Allentown, Pa.
American Iron & Steel Works, Pittsburgh, Pa.
Bethlehem Iron Co., Bethlehem, Pa.
Cambria Iron Co., Johnstown, Pa.
Carnegie Bros. & Co., Ltd., Pittsburgh, Pa.
Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Fulton Foundry Co., Cleveland, O.
Indianapolis Rolling Mill Co., Indianapolis, Ind.
Montour Iron & Steel Co., Danville, Pa.
North Branch Steel Co., Danville, Pa.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Riverside Iron Works, Wheeling, W. Va.
Troy Steel & Iron Co., Troy, N. Y.

G. STRAP RAILS.
Riverside Iron Works, Wheeling, W. Va.

H. STREET RAILS.
Ætna Iron & Steel Co., Bridgeport, O.
Cambria Iron Co., Johnstown, Pa.
Cleveland Rolling Mill Co., Cleveland, O.
Fulton Foundry Co., Cleveland, O.
Johnson Co., Johnstown, Pa.
Montour Iron & Steel Co., Danville, Pa.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.

Tudor Iron Works, 415 Locust St., St. Louis, Mo.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.

2126. RAIL FASTENINGS.

A. AUTOMATIC NUT LOCKS.
Jones Positive Nut Lock Co., 445 The Rookery, Chicago, Ill.
Ruffner & Dunn, Bowman cor. Cresson Sts., Phila., Pa.

B. FISH PLATES.
Ætna Iron & Steel Co., Bridgeport, O.
Diamond State Iron Co., Wilmington, Del.
Portland Rolling Mills, Portland, Me.
Tredegar Co., Richmond, Va.
Troy Steel & Iron Co., Troy, N. Y.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.

C. GUARD RAIL CLAMPS.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill.

D. HEAD CHAIRS.
Elliott Frog & Switch Co., E. St. Louis, Ill.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

E. LOCK NUT JOINTS.
Cambria Iron Co., Johnstown, Pa.

F. RAIL BRACES.
Ajax Forge Co., 602 Phenix Building, Chicago, Ill.
Campbell Solid Steel Frog & R. R. Crossing Works, Bucyrus, O.
Elliot Frog & Switch Co., E. St. Louis, Ill.
Montour Iron & Steel Co., Danville, Pa.
Weir Frog Co., Front & Smith Sts., Cincinnati, O.

G. RAIL JOINTS.
Cambria Iron Co., Johnstown, Pa.
Fisher Rail Joint Works, Trenton, N. J.
Montour Iron & Steel Co., Danville, Pa.

H. SPLICE BARS.
Cambria Iron Co., Johnstown, Pa.
Lookout Iron Co., Chattanooga, Tenn.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Morris Seller & Co., W. Chicago Av., Chicago, Ill.
Tudor Iron Works, 415 Locust St., St. Louis, Mo.

I. SPLICE BARS, STEEL.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Riverside Iron Works, Wheeling, W. Va.

J. STREET RAIL FASTENINGS.
Montour Iron & Steel Co., Danville, Pa.

2127. RAILWAY SIGNALS.

Allentown Rolling Mills, Allentown, Pa.
Barney & Smith Mfg. Co., Dayton, O.
Kelsey R. R. Signal Co., Florence, Mass. *157
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Union Switch & Signal Co., Swissvale, Pa.

A. AUTOMATIC SIGNALS.
Allentown Rolling Mills, Allentown, Pa.
Hall Signal Co., 50 Broadway, New York.
Kelsey R. R. Signal Co., Florence, Mass. *157
Ramapo Iron Works, Hillburn, N. Y.

B BLOCK SIGNALS.
Allentown Rolling Mills, Allentown, Pa.
Johnson Railroad Signal Co, Rahway, N. J.

C. BLOCK SIGNALS, AUTOMATIC.
Allentown Rolling Mills, Allentown, Pa.
Johnson Railroad Signal Co., Rahway, N. J.
Union Switch & Signal Co., Swissvale, Pa.

D. BLOCK SIGNALS, MECHANICAL.
Allentown Rolling Mills, Allentown, Pa.
Johnson Railroad Signal Co., Rahway, N. J.
Union Switch & Signal Co., Swissvale, Pa.

E. CAR SIGNAL LIGHTS.
J. G. Brill Co., 62d St. & Woodland Av., Phila., Pa. *38
Post & Co., 217 W. 4th St., Cincinnati, O
Josephine D. Smith, 352 Pearl St., New York.
Star Head Light Co., Rochester, N. Y.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220

F. CROSSING SIGNALS.
Johnson Railroad Signal Co., Rahway, N. J.
Union Switch & Signal Co., Swissvale, Pa.

G. INTERLOCKING SIGNALS
Allentown Rolling Mills, Allentown, Pa.
Johnson Railroad Signal Co., Rahway, N. J.
Union Switch & Signal Co., Swissvale, Pa.

H. RAILWAY FOG SIGNALS.
Detwiller & Street Fireworks Mfg. Co., 172 Fulton St., New York.
E. S. Greeley & Co., 5 Dey St., New York.

I. RAILWAY JUNCTION SIGNALS.
Allentown Rolling Mills, Allentown, Pa
Kelsey R. R. Signal Co., Florence, Mass. *157
Union Switch & Signal Co., Swissvale, Pa.

J. STATION SIGNALS.
Allentown Rolling Mills, Allentown, Pa.
Kelsey R. R. Signal Co., Florence, Mass. *157

K. SWITCH SIGNALS.
Allentown Rolling Mills, Allentown, Pa.
Johnson Railroad Signal Co., Rahway, N. J.
Kelsey R. R. Signal Co., Florence, Mass. *157
National Switch & Signal Co., Easton, Pa.
Union Switch & Signal Co., Swissvale, Pa.

2128. RAILWAY SUPPLIES.

American Oil Stove Co., Gardner, Mass.
Adams & Westlake Co., Ontario & Franklin Sts., Chicago, Ill.
M. M. Buck & Co., 207 N. 3d St., St. Louis, Mo.
Buffalo Scale Co., Buffalo, N. Y.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.

W. G. Creamer & Co., 96 John St., New York.
Diamond State Iron Co., Wilmington, Del.
E. P. Dwight, 407 Library St., Philadelphia, Pa.
Gilbert & Barker Mfg. Co., 90 John St., New York.
Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.
Hook's Smelting Co., Broad & Hamilton Sts., Philadelphia, Pa.
C. E. James & Co., Chattanooga, Tenn.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Ezra H. Linley, 714 N. 2d St., St. Louis, Mo.
Louisville Car Wheel & Railway Supply Co., Louisville, Ky.
New Orleans Railway & Mill Supply Co., New Orleans, La.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Pettibone, Mulliken & Co., 401 Rookery Bldg., Chicago, Ill.
Pittsburgh Supply Co., Ltd., Pittsburgh, Pa.
Post & Co., 217 W. 4th St., Cincinnati, O.
Robinson & Cary Co., St. Paul, Minn.
Romer & Co., Newark, N. J.
Sherburne & Co., 53 Oliver St., Boston, Mass.
United States Wind Engine & Pump Co., Batavia, Ill.
Wharton Rail Road Switch Co., 24 Front St., Philadelphia, Pa.

A. STREET RAILWAY SUPPLIES.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Cambria Iron Co., Johnstown, Pa.
Diamond State Iron Co., Wilmington, Del.
Fulton Foundry Co., Cleveland, O.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Metallic Street Railway Supply Co., Albany, N. Y.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Richmond Locomotive & Machine Works, Richmond, Va.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.

2129. SIDING STOPS.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.

2130. SNOW PLOWS, RAILWAY.

A. ROTARY SNOW PLOWS.
Leslie Bros. Mfg. Co., Paterson, N. J.

B. STEAM SNOW PLOWS.
Altoona Mfg. Co., Altoona, Pa.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Industrial Works, Bay City, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Portland Co., Portland, Me.

C. STREET RAILWAY SNOW PLOWS.
J. G. Brill Co., 62d St. & Woodland Av., Philade'phia, Pa. *38
Augustus Day, Detroit, Mich.

2131. SWITCHES.
Ajax Forge Co., 602 Phenix Building, Chicago, Ill.
Allentown Rolling Mills, Allentown, Pa.
Bowler & Co., Cleveland, O.
Carlisle Mfg. Co., Carlisle, Pa.
Fulton Foundry Co., Cleveland, O.
R. F. Hawkins Iron Works, Springfield, Mass.
Johnson Co., Johnstown, Pa.
Kansas City Switch & Frog Co., Kansas City, Mo.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Louisville Bridge & Iron Co., Louisville, Ky.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Union Switch & Signal Co., Swissvale, Pa.
Weir Frog Co., Front & Smith Sts., Cincinnati, O.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.
Wharton Rail Road Switch Co., 24 Forrest Bldg., Phila., Pa.

A. AUTOMATIC SWITCHES.
Black Automatic Block Signal Co., 35 Broadway, New York.
Johnson Co., Johnstown, Pa.
Kelsey R. R. Signal Co., Florence, Mass. *157
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.

B. CUT OUT SWITCHES.
Ramapo Iron Works, Hillburn, N. Y.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Vulcan Iron Works, Wilkes Barre, Pa. *131

C. INTERLOCKING SWITCHES.
Allentown Rolling Mills, Allentown, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Union Switch & Signal Co., Swissvale, Pa.

D. MINE TRACK SWITCHES.
Dickson Mfg. Co., Scranton, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

E. PORTABLE SWITCHES.
Peteler Portable Railway Mfg. Co., Minneapolis, Minn.

Ramapo Iron Works, Hillburn, N. Y.

F. SIGNALING SWITCHES.
Allentown Rolling Mills, Allentown, Pa.
National Switch & Signal Co., Easton, Pa.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Union Switch & Signal Co., Swissvale, Pa.

G. SPLIT SWITCHES.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Ramapo Iron Works, Hillburn, N. Y.

H. SWITCH BARS.
Ramapo Iron Works, Hillburn, N. Y.
Weir Frog Co., Front & Smith Sts., Cincinnati, O.

I. SWITCH FIXTURES.
Buda Foundry & Mfg. Co., Buda, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Weir Frog Co., Front & Smith Sts., Cincinnati, O.

J. SWITCH LOCKS.
Adams & Westlake Co., N. Ontario & Franklin Sts., Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Post & Co., 217 W. 4th St., Cincinnati, O.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.
Wilson Bohannan, 754 Lexington Av., Brooklyn, N. Y.

K. SWITCH STANDS.
Ajax Forge Co., 602 Phenix Building, Chicago, Ill.
Allentown Rolling Mills, Allentown, Pa.
Bowler & Co., Cleveland, O.
Buda Foundry & Mfg. Co., Buda, Ill.
Campbell S. S. Frog & R. R. Crossing Works, Bucyrus, O.
Carlisle Mfg. Co., Carlisle, Pa.
Elliot Frog & Switch Co., E. St. Louis, Ill.
R. F. Hawkins Iron Works, Springfield, Mass.
Kansas City Switch & Frog Co., Kansas City, Mo.
Louisville Bridge & Iron Co., Louisville, Ky.
McGuire Mfg. Co., 122 N. Sangamon St., Chicago, Ill.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill.
Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Union Switch & Signal Co., Swissvale, Pa.
Wason Mfg. Co., Springfield, Mass.
Weir Frog Co., Front & Smith Sts., Cincinnati, O.
Wharton R. R. Switch Co., 124 Forrest Building, Chicago, Ill.

L. TIE BARS.
Morden Frog & Crossing Works, 234 Clark St., S. Chicago, Ill.

2132. TICKET PUNCHES.
L. O. Crocker, E. Braintree, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Wm. Johnson, Newark, N. J.
McGill Bros., 298 Dearborn St., Chicago, Ill.
Fred. J. Meyers Mfg. Co., Covington, Ky.
New York Stencil Works, 100 Nassau St., New York.
Post & Co., 217 W. 4th St., Cincinnati, O.
Railway Register Mfg. Co., Buffalo, N. Y.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.
W. W. Wilcox, 131 Lake St., Chicago, Ill.
R. Woodman, 169 High St., Boston, Mass.

A. BELL PUNCHES.
Benton Mfg. Co., 291 W. 11th St., New York.

B. TICKET PUNCH DIES.
R. Woodman, 169 High St., Boston, Mass.

2133. TIES, METAL.
Carnegie Bros. & Co., Ltd., Pittsburgh, Pa.
Johnson Co., Johnstown, Pa.

2134. TRACK CLEANERS, STREET RAILWAY.
Augustus Day, Detroit, Mich.
Dorner & Dutton, Cleveland, O.

2135. TRACK SCRAPERS, STREET RAILWAY.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Brooklyn Railway Supply Co., 123 Chambers St., New York.
Augustus Day, Detroit, Mich.

2136. TRACK TORPEDOES.
Detwiller & Street Fireworks Mfg. Co., 172 Fulton St., New York.
Michael Backes' Sons, Wallingford, Conn.
Consolidated Fire Works Co., 9 Park Place, New York.
Great Western Powder Co., Toledo, O.

2137. TRACK WEED CUTTERS.
Sheffield Velocipede Car Co., Three Rivers, Mich.

2138. TRANSFER TABLES.
Dickson Mfg. Co., Scranton, Pa.
Fulton Foundry Co., Cleveland, O.
Industrial Works, Bay City, Mich.
Johnson Co., Johnstown, Pa.

2139. TURN TABLES.
Allentown Rolling Mills, Allentown, Pa.
Bowler & Co., Cleveland, O.
M. S. Carter & Co., 202 Laclede Building, St. Louis, Mo.
Chicago Forge & Bolt Co., 40th St. cor. Stewart Av., Chicago, Ill.
Cofrode & Saylor, 257 S. 4th St., Philadelphia, Pa.
Excelsior Iron Works Co., Cleveland, O.

Greenleaf Turn Table Mfg. Co., Indianapolis, Ind.
R. F. Hawkins Iron Works, Springfield, Mass.
Industrial Works, Bay City, Mich.
Johnson Co., Johnstown, Pa.
Keystone Bridge Co., Pittsburgh, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
Louisville Bridge & Iron Co., Louisville, Ky.
Massillon Bridge Co., Massillon, O.
Missouri Valley Bridge & Iron Works, Leavenworth, Kan.
Pardee Car & Machine Works, Watsontown, Pa.
Pennsylvania Bridge Co., Beaver Falls, Pa.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Wm. Sellers & Co., 1600 Hamilton St., Philadelphia, Pa.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.

A. IRON & STEEL TURN TABLES.

Detroit Bridge & Iron Works, Detroit, Mich.
Edge Moor Iron Co., Edge Moor, Del.
King Iron Bridge & Mfg. Co., Cleveland, O.
Passaic Rolling Mill Co., Paterson, N. J.
Pencoyd Iron Works, Pencoyd, Pa.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.

B. PORTABLE TURN TABLES.

Corey Car & Mfg. Co., 55 5th Av., Chicago, Ill.
Peteler Portable Railway Mfg. Co., Minneapolis, Minn.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.

C. STREET CAR TURN TABLES.

J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Greenleaf Turn Table Mfg. Co., Indianapolis, Ind.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.

2140. WHEELS.

A. CAR WHEELS.

Barnum Richardson Co., Lime Rock, Conn.
Boies Steel Wheel Co., Scranton, Pa.
Brooks Locomotive Works, Dunkirk, N. Y.
H. Dudley Coleman & Co., New Orleans, La.
Davenport & Fairbairn, Erie, Pa.
Decatur Car Wheel Works, New Decatur, Ala.
Ft. Madison Iron Works Co., Ft. Madison, Iowa.
Fowler Steel Car Wheel Co., 185 Dearborn St., Chicago, Ill.
Fulton Iron Works, San Francisco, Cal.
P. H. Griffin Machine Works, Buffalo, N. Y.
Jackson & Woodin Mfg. Co., Berwick, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
Lewis & Fowler Mfg. Co., 29 Walworth St., Brooklyn, N. Y.
Michigan Car Co., Detroit, Mich.
New York Car Wheel Works, Buffalo, N. Y.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.
Rood & Brown, Buffalo, N. Y.
Russell Wheel & Foundry Co., Detroit, Mich.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Taylor Iron Works, High Bridge, N. J.
Terre Haute Car & Mfg. Co., Terre Haute, Ind.
Tredegar Co., Richmond, Va.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wason Mfg. Co., Springfield, Mass.
Wm. Wharton, Jr. & Co., 330 Walnut St., Philadelphia, Pa.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

B. CAR WHEELS, CHILLED CAST.

Albany Car Wheel Works, Albany, N. Y.
Baltimore Car Wheel Co., Baltimore, Md.
Barney & Smith Mfg. Co., Dayton, O.
J. H. Bass, 97 Dearborn St., Chicago, Ill.
Bass Foundry & Machine Works, Fort Wayne, Ind.
Bouton & Co., Aurora, Ill.
Bowler & Co., Cleveland, O.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Buffalo Car Wheel Works, Buffalo, N. Y.
Butterworth & Lowe, Grand Rapids, Mich.
Cayuta Wheel & Foundry Co., Sayre, Pa.
Cleveland Wheel & Foundry Co., Cleveland, O.
Connellsville Machine & Car Co., Connellsville, Pa.
Davenport & Fairbairn, Erie, Pa.
Decatur Car Wheel Mfg. Co., New Decatur, Ala.
Detroit Car Wheel Co., Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Ensign Mfg. Co., Huntington, W. Va.
Ford & Kimball, Concord, N. H.
Fulton Foundry Co., Cleveland, O.
Green's Car Wheel Mfg. Co., 3018 N. Broadway, St. Louis, Mo.
Griffin Car Wheel Co., Detroit, Mich.
Griffin Wheel & Foundry Co., 138 Jackson St., Chicago, Ill.

Harlan & Hollingsworth Co., Wilmington, Del.
Harman & Hassert, Bloomsburg, Pa.
Harrisburg Car Mfg. Co., Harrisburg, Pa.
Haskell & Barker Car Co , Michigan City, Ind.
Jonas S. Heartt & Co., Troy, N. Y.
Jackson & Woodin Mfg. Co., Berwick, Pa.
Thomson Kingsford, Oswego, N. Y.
Knoxville Car Wheel Co., Knoxville, Tenn.
Laconia Car Co., Laconia, N. H.
Lafayette Car Works, Lafayette, Ind.
Lake Shore Foundry, Cleveland, O.
Lima Machine Works, Lima, O.
Litchfield Car & Machine Co., Litchfield, Ill.
Lobdell Car Wheel Co., Wilmington, Del.
Louisville Car Wheel & Railway Supply Co., Louisville, Ky.
McKee, Fuller & Co., Catasauqua, Pa.
Milwaukee Car Wheel & Foundry Co., Milwaukee, Wis.
Montour Iron & Steel Co., Danville, Pa.
Mowry Car Wheel Works, Eastern Av. & Lewis St., Cincinnati, O.
Nelsonville Foundry & Machine Co., Nelsonville, O.
Paige Car Wheel Co., Cleveland, O.
Peninsular Car Co., Detroit, Mich.
Ramapo Wheel & Foundry Co., Ramapo, N. Y.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Roanoke Machine Works, Roanoke, Va.
Rochester Car Wheel Works, Rochester, N. Y.
Rood & Brown, Buffalo, N. Y.
St. Albans Foundry, St. Albans, Vt.
St. Charles Car Co., St. Charles, Mo.
St. Louis Car Wheel Co., Cabanne St., St. Louis, Mo.
St. Paul Foundry Co., St. Paul, Minn.
Steiger & Kerr, San Francisco, Cal.
Taylor Iron Works, High Bridge, N. J.
Terre Haute Car & Mfg. Co., Terre Haute, Ind.
Tredegar Co., Richmond, Va.
Union Foundry & Pullman Car Wheel Works, Pullman, Ill.
Watt Mining Car Wheel Co., Barnesville, O.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

C. CAR WHEELS, PAPER.
Allen Paper Car Wheel Co., Hudson, N. Y.

D. CAR WHEELS, STEEL TIRED.
Albany Car Wheel Works, Albany, N. Y.
Allen Paper Car Wheel Co., Hudson, N. Y.
Boies Steel Wheel Co., Scranton, Pa.
Brooks Locomotive Works, Dunkirk, N. Y.
Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
Fowler Steel Car Wheel Co., 185 Dearborn St., Chicago, Ill.
Jersey City Wheel Foundry & Machine Works, Jersey City, N. J.
Steel Truss Car Wheel Co., Edwardsville, Ill.
Taylor Iron Works, High Bridge, N. J.
Wason Mfg. Co., Springfield, Mass.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

E. DRIVING WHEELS.
J. H. Bass, 97 Dearborn St., Chicago, Ill.
Cleveland Wheel & Foundry Co., Cleveland, O.
Detroit Car Wheel Co., Detroit, Mich.
Dickson Mfg. Co., Scranton, Pa.
Ensign Mfg. Co., Huntington, W. Va.
Fulton Foundry Co., Cleveland, O.
Knoxville Car Wheel Co., Knoxville, Tenn.
Michigan Car Co., Detroit, Mich.
Ramapo Wheel & Foundry Co., Ramapo, N. Y.
Rood & Brown, Buffalo, N. Y.
Wason Mfg. Co., Springfield, Mass.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

F. DRIVING WHEELS, CHILLED IRON.
McKee, Fuller & Co., Catasauqua, Pa.
New York Car Wheel Works, Buffalo, N. Y.
Portland Company, Portland, Me.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

G. DRIVING WHEELS, STEEL TIRED.
Brooks Locomotive Works, Dunkirk, N. Y.
Otis Steel Co., Ltd., Cleveland, O.
Taylor Iron Works, High Bridge, N. J.

H. HAND CAR WHEELS.
Baugher, Kurtz & Stewart, York, Pa.
New York Car Wheel Works, Buffalo, N. Y.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Geo. W. Swett & Son, Troy, N. Y.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

I. MINE CAR WHEELS.
Baugher, Kurtz & Stewart, York, Pa.
Dickson Mfg. Co., Scranton, Pa.

Ensign Mfg. Co., Huntington, W. Va.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
McKee, Fuller & Co., Catasauqua, Pa.
Montour Iron & Steel Co., Danville, Pa.
New York Car Wheel Works, Buffalo, N. Y.
Geo. W. Swett & Son, Troy, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

J. PUSH CAR WHEELS.
Baugher, Kurtz & Stewart, York, Pa.
George R. Lombard & Co., Augusta, Ga.
Sheffield Velocipede Car Co., Three Rivers, Mich.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

K. STREET CAR WHEELS.
J. G. Brill Co., 62d St. & Woodland Av., Philadelphia, Pa. *38
Chattanooga Car & Foundry Co., Chattanooga, Tenn.
Cleveland Wheel & Foundry Co., Cleveland, O.
Fulton Foundry Co., Cleveland, O.
Griffin Wheel & Foundry Co., 138 Jackson St., Chicago, Ill.
New York Car Wheel Works, Buffalo, N. Y.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220
Geo. W. Swett & Son, Troy, N. Y.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

L. STREET CAR WHEELS, INTERCHANGEABLE.
Boies Steel Wheel Co., Scranton, Pa.
Peckham Street Car Wheel & Axle Co., 239 B'way, New York.

M. TRUCK WHEELS.
J. H. Bass, 97 Dearborn St., Chicago, Ill.
Boies Steel Wheel Co., Scranton, Pa.
Cleveland Wheel & Foundry Co., Cleveland, O.
Dickson Mfg. Co., Scranton, Pa.
Jones & Laughlins, Ltd., Pittsburgh, Pa.
McKee, Fuller & Co., Catasauqua, Pa.
Niles & Scott Co., La Porte, Ind.
Rood & Brown, Buffalo, N. Y.
Geo. W. Swett & Son, Troy, N. Y.

N. TRUCK WHEELS, STEEL.
Boies Steel Wheel Co., Scranton, Pa.
McKee, Fuller & Co., Catasauqua, Pa.
Otis Steel Co., Ltd., Cleveland, O.

2141. WHEEL TIRES.

A. CAR WHEEL TIRES.
Chicago Tire & Spring Co., Melrose, Ill.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Mowry Car Wheel Works, Eastern Av. & Lewis St., Cincinnati, O.
Standard Steel Works, 220 S. 4th St., Philadelphia, Pa.

B. LOCOMOTIVE WHEEL TIRES.
Chicago Tire & Spring Co., Melrose, Ill.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Standard Steel Works, 220 S. 4th St., Philadelphia, Pa.

C. STEEL TIRES.
Cambria Iron Co., Johnstown, Pa.
Latrobe Steel Works, Latrobe, Pa.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Mowry Car Wheel Works, Eastern Av. & Lewis St., Cincinnati, O.
Standard Steel Works, 220 S. 4th St., Philadelphia, Pa.

XXXIV. RUBBER GOODS.

2142. ACID VESSELS.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2143. AIR BEDS.
Chicago Rubber Clothing Co., Racine, Wis.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

2144. AIR BELLOWS.
Goodyear Rubber Co., 487 Broadway, New York.

2145. AIR CUSHIONS.
Akron Rubber Works, Akron, O.
Chicago Rubber Clothing Co., Racine, Wis.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

2146. AIR PILLOWS.
Chicago Rubber Clothing Co., Racine, Wis.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Tyer Rubber Co., Andover, Mass.

2147. ATOMIZERS.
Bush, Bagby & Co., Louisville, Ky.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Ellis & Goltermann, 88 Leonard St., New York.
Goodyear Rubber Co , 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Geo. Kneuper, 262 Broadway, New York.
Millard Mfg. Co., Providence, R. I.
Parker, Stearns & Sutton, 229 South St., New York.
Tyer Rubber Co., Andover, Mass.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.

2148. BAGS.

A. BLEEDING BAGS.
American Supply Co., Providence, R. I. *173

B. CONFECTIONERS' BAGS.
Hodgman Rubber Co., 459 Broadway, New York.

C. FACE BAGS.
Hodgman Rubber Co., 459 Broadway, New York.

D. GAS BAGS.
Akron Rubber Works, Akron, O.
American Meter Co., 177 Elm St., Cincinnati, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
Parker, Stearns & Sutton, 229 South St., New York.
Tyer Rubber Co., Andover, Mass.

E. HAT BAGS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
N. Y. Rubber Co., Matteawan, N. Y.

F. ICE BAGS.
Akron Rubber Works, Akron, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

G. NAVY BAGS.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

H. SPONGE BAGS.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Tyer Rubber Co., Andover, Mass.

I. THROAT BAGS.
Davol Rubber Co., Providence, R. I.
Hodgman Rubber Co., 459 Broadway, New York.

J. TOILET BRUSH BAGS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

K. WATER BOTTLES.
Akron Rubber Works, Akron, O.
Chicago Rubber Clothing Co., Racine, Wis.
Cleveland Rubber Co., Cleveland, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
India Rubber Comb Co., 9 Mercer St., New York.
North Western Rubber Co., 141 Lake St., Chicago, Ill.
Omaha Rubber Co., Omaha, Neb.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

2149. BALLS, RUBBER.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

N. Y. Rubber Co., Matteawan, N. Y.

2150. BATHING APPARATUS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn
Hodgman Rubber Co., 459 Broadway, New York.
E. J. Knowlton, Ann Arbor, Mich.
Tyer Rubber Co., Andover, Mass.

2151. BED PANS.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

2152. BICYCLE PARTS, RUBBER.

A. BICYCLE HANDLES.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Butler Hard Rubber Co., 33 Mercer St., New York.
Combination Roll & Rubber Co., 38 Park Row, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Union Cycle Mfg. Co., Highlandville, Mass.

B. BICYCLE PEDALS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
New York Belting & Packing Co., 15 Park Row, New York.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.
Union Cycle Mfg. Co., Highlandville, Mass.

C. BICYCLE TIRES.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
Trenton Rubber Co., Trenton, N. J.

2153. BILLIARD CUSHIONS.
Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., Matteawan, N. Y.
Trenton Rubber Co., Trenton, N. J.

2154. BLANKETS.
Chicago Rubber Clothing Co., Racine, Wis.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

A. PRINTERS' RUBBER BLANKETS.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

B. TENT BLANKETS.
Chicago Rubber Clothing Co., Racine, Wis.
Cleveland Rubber Co., Cleveland, O.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

2155. BLOCKS, RUBBER.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
C. M. Clapp & Co., 7 Otis St., Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Trenton Rubber Co., Trenton, N. J.

2156. BRATTICE CLOTH.
Mineralized Rubber Co., 18 Cliff St., New York.

2157. BULBS, RUBBER.
Akron Rubber Works, Akron, O.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

2158. CHAMBERS & COVERS.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.

2159. CLOTHS, RUBBER.
American Rubber Co., Cambridgeport, Mass.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Cable Rubber Co., 150 Franklin St., Boston, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Fairfield Rubber Co., Fairfield, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Edmund F. Heath & Son, Newark, N. J.
L. Joy & Co., Newark, N. J.

A. RUBBER ASBESTOS CLOTH.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

B. RUBBER DRILLS.
Cable Rubber Co., 150 Franklin St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Empire Rubber Co., Trenton, N. J.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Trenton Rubber Co., Trenton, N. J.

C. RUBBER DUCK.
Cable Rubber Co., 150 Franklin St., Boston, Mass.
Conant Rubber Co., Hartford, Conn.
Empire Rubber Co., Trenton, N. J.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Trenton Rubber Co., Trenton, N. J.

2160. CORD, RUBBER.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Davol Rubber Co., Providence, R. I.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.

2161. CORRUGATED RUBBER.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., Matteawan, N. Y.

2162. DIAPHRAGMS, RUBBER.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Davol Rubber Co., Providence, R. I.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., Matteawan, N. Y.

2163. DOOR BANDS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Seamless Rubber Co., New Haven, Conn.

2164. DRINKING CUPS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.

2165. DRUGGISTS' RUBBER GOODS.
Akron Rubber Works, Akron, O.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.
Butler Hard Rubber Co., 33 Mercer St., New York.
Cleveland Rubber Co., Cleveland, O.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
India Rubber Comb Co., 9 Mercer St., New York.
National India Rubber Co., 55 Westminster St., Providence, R.I.
Parker, Stearns & Sutton, 229 South St., New York.

2166. FINGER COTS.
Akron Rubber Works, Akron, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

2167. FUNNELS, RUBBER.
Butler Hard Rubber Co., 33 Mercer St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
India Rubber Comb Co., 9 Mercer St., New York.
Tyer Rubber Co., Andover, Mass.

2168. FURNITURE FENDERS.
Boston Woven Hose Co., Cambridgeport, Mass.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.

A. CHAIR LEG CUSHIONS.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.

2169. GUTTA PERCHA GOODS.
Akron Rubber Works, Akron, O.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Butler Hard Rubber Co., 33 Mercer St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2170. GUTTA PERCHA PIPE.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Goodyear Vulcanite Co., Morrisville, Pa.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2171. GUTTA PERCHA RODS.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Butler Hard Rubber Co., 33 Mercer St., New York.

2172. GUTTA PERCHA, SHEET.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

A. GUTTA PERCHA TISSUE. Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2173. HAVERSACKS. Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

2174. LIFE PRESERVERS. Conant Rubber Co., Hartford, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

A. LIFE VESTS. Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
D. Kahnweiler, 146 Worth St., New York.

B. SURF JACKETS. Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

2175. MOULDED GOODS. Akron Rubber Works, Akron, O.
Chicago Rubber Works, 230 Randolph St. Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Davol Rubber Co., Providence, R. I.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Parker, Stearns & Sutton, 229 South St., New York.
Trenton Rubber Co., Trenton, N. J.

2176. NURSERY GOODS.

A. DIAPERS. Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Tyer Rubber Co., Andover, Mass.

B. NIPPLES. Akron Rubber Works, Akron, O.
Belknap Mfg. Co., Bridgeport, Conn.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
H. Mueller Mfg. Co., Decatur, Ill.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

C. NIPPLE SHIELDS. Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Tyer Rubber Co., Andover, Mass.

D. NURSERY APRONS. Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

E. NURSERY FITTINGS. Akron Rubber Works, Akron, O.
Davol Rubber Co., Providence, R. I.
Hodgman Rubber Co., 459 Broadway, New York.
Parker, Stearns & Sutton, 229 South St., New York.

F. TEETHING PADS. Akron Rubber Works, Akron, O.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

G. TEETHING RINGS. Akron Rubber Works, Akron, O.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
N. Y. Rubber Co., Matteawan, N. Y.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.

2177. RINGS, RUBBER. Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
Home Rubber Co., Trenton, N. J.
India Rubber Comb Co., 9 Mercer St., New York.
Mercer Rubber Co., Trenton, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.
Trenton Rubber Co., Trenton N. J.

A. FRUIT JAR RINGS. Akron Rubber Works, Akron, O.
Boston Woven Hose Co., Cambridgeport, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.

B. UMBRELLA RINGS. Akron Rubber Works, Akron, O.
H. O. Canfield, Bridgeport, Conn.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

2178. ROLLS, RUBBER.

Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.

2179. RUBBER GOODS.

Akron Rubber Works, Akron, O.
American Rubber Co., Cambridgeport, Mass.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.
Boston Car Spring Co., 146 Franklin St., Boston, Mass.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Canfield Rubber Co., Bridgeport, Conn.
Chicago Rubber Clothing Co., Racine, Wis.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Davol Rubber Co., Providence, R. I.
H. P. & E. Day, Seymour, Conn.
Fairfield Rubber Co., Fairfield, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Alfred Hale & Co., 30 School St., Boston, Mass.
Home Rubber Co., Trenton, N. J.
Lycoming Rubber Co., Ltd., Williamsport, Pa.
Mercer Rubber Co., Trenton, N. J.
Mineralized Rubber Co., 18 Cliff St., New York.
National India Rubber Co., Bristol, R. I.
New Brunswick Rubber Co., New Brunswick, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.
Para Rubber Shoe Co., 24 High St., Boston, Mass.
Parker, Stearns & Sutton, 229 South St., New York.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Standard Rubber Co., 160 Congress St., Boston, Mass.
John H. Tuttle, Holyoke, Mass.
Woonsocket Rubber Co., Woonsocket, R. I.

A. MECHANICAL RUBBER GOODS.

Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridegport, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., Matteawan, N. Y.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.

2180. RUBBER HAWSE PIPE STOPPERS.

American Ship Windlass Co., Providence, R. I. *119

2181. SHEET GUM, PURE.

Akron Rubber Works, Akron, O.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Davol Rubber Co., Providence, R. I.
Eugene Doherty, 110 Kent Av., Brooklyn, N. Y.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Trenton Rubber Co., Trenton, N. J.

2182. SHEETING, RUBBER.

Akron Rubber Works, Akron, O.
Chicago Rubber Clothing Co., Racine, Wis.
Columbus Rubber Co., 85 Beach St., Boston, Mass.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Vulcanite Co., Morrisville, Pa.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
Tyer Rubber Co., Andover, Mass.

2183. SOLING, RUBBER.

Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
Trenton Rubber Co., Trenton, N. J.

2184. SPRINGS, RUBBER.

Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.

Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., Matteawan, N. Y.
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.
S. H. Wetmore Co., 242 Pearl St., New York.

A. DOOR SPRINGS.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Tyer Rubber Co., Andover, Mass.

B. ROLLER SKATE SPRINGS.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2185. SQUILGEES, RUBBER.
D. W. Bosley & Co., 210 Washington Boulevard, Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2186. STOPPLES, RUBBER.
Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
India Rubber Comb Co., 9 Mercer St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.
United Rubber Co., Trenton, N. J.

2187. THIMBLES, RUBBER.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

2188. TROUSERS STRAPS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

2189. TUBING, RUBBER.
Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Butler Hard Rubber Co., 33 Mercer St., New York.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Vulcanite Co., Morrisville, Pa.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
India Rubber Comb Co., 9 Mercer St., New York.
Mercer Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.
North Western Rubber Co., 141 Lake St., Chicago, Ill.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Trenton Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.

A. BEER TUBING.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Trenton Rubber Co., Trenton, N. J.

B. CLOTH INSERTION TUBING.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
N. Y. Rubber Co., Matteawan, N. Y.

C. HARD RUBBER TUBING.
Akron Rubber Works, Akron, O.
Butler Hard Rubber Co., 33 Mercer St., New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

D. SODA TUBING.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Trenton Rubber Co., Trenton, N. J.

2190. URINALS, RUBBER.
Akron Rubber Works, Akron, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Tyer Rubber Co., Andover, Mass.

2191. VALVES, RUBBER.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Erie Rubber Co., Erie, Pa.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Mercer Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.
Trenton Rubber Co., Trenton, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

A. BALL VALVES.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.
Trenton Rubber Co., Trenton, N. J.

2192. VULCANIZED RUBBER FABRICS.
American Rubber Co., Cambridgeport, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
N. Y. Rubber Co., Matteawan, N. Y.

2193. VULCANIZED RUBBER GOODS.
American Rubber Co., Cambridgeport, Mass.
Cable Rubber Co., 150 Franklin St., Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
N. Y. Rubber Co., Matteawan, N. Y.

2194. WASHERS, RUBBER.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
I. G. Marston & Co., 226 Ruggles St., Boston, Mass. *250
N. Y. Rubber Co., Matteawan, N. Y.
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.

2195. WATER BEDS.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Tyer Rubber Co., Andover, Mass.

2196. WINDOW CLEANERS, RUBBER.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

2197. WRINGER ROLLS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Combination Roll & Rubber Co., 38 Park Row, New York.
Goodyear Rubber Co., 487 Broadway, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York. *182

XXXV. SILVER AND PLATED WARE.

2198. ANTIQUE STERLING WARE.
Geo. W. Shiebler, 8 Liberty Place, New York.

2199. COMMUNION SERVICES.
Dominick & Haff, 860 Broadway, New York.
Gorham Mfg. Co., Providence, R. I.
J. & R. Lamb, 59 Carmine St., New York.
Manhattan Silver Plate Co., Lyons, N. Y.
Meriden Britannia Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
Pairpoint Mfg. Co., New Bedford, Mass. *25

Reed & Barton, Taunton, Mass.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Tiffany & Co., 15 Union Square, New York.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
E. G. Webster & Son, 622 Atlantic Av., Brooklyn, N. Y.
Wilcox Silver Plate Co., Meriden, Conn.
Wood & Hughes, 16 John St., New York.

A. POCKET COMMUNION SERVICES.
J. & R. Lamb, 59 Carmine St., New York.

2200. FLAT WARE.

A. NICKEL SILVER FLAT WARE.
Luther Boardman & Son, E. Haddam, Conn.
Gorham Mfg. Co., Providence, R. I.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Pairpoint Mfg. Co., New Bedford, Mass. *25
Reed & Barton, Taunton, Mass.
Rogers & Hamilton Co., Waterbury, Conn. *26
Towle Mfg. Co., Newburyport, Mass.

B. PLATED FLAT WARE.
Acme Silver Plate Co., Boylston c. Bismarck St., Boston, Mass.
Luther Boardman & Son, E. Haddam, Conn.
Bristol Brass & Clock Co., Forestville, Conn.
Derby Silver Co., Birmingham, Conn.
Dominick & Haff, 860 Broadway, New York.
Harvey Filley & Sons, 15 S. 13th St., Philadelphia, Pa.
Globe Silver Plate Co., New Bedford, Mass.
Gorham Mfg. Co., Providence, R. I.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
Meriden Silver Plate Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Northampton Cutlery Co., Northampton, Mass.
Pairpoint Mfg. Co., New Bedford, Mass. *25
Reed & Barton, Taunton, Mass.
Rogers & Bro., Waterbury, Conn.
C. Rogers & Bros., Meriden, Conn.
Rogers & Hamilton Co., Waterbury, Conn. *26
Wm. Rogers Mfg. Co., Hartford, Conn.
John Russell Cutlery Co., Turner's Falls, Mass.
Silver Plate Cutlery Co., Birmingham, Conn.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Towle Mfg. Co., Newburyport, Mass.
A. F. Towle & Son, Greenfield, Mass.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
E. G. Webster & Son, 622 Atlantic Av., Brooklyn, N. Y.
F. M. Whiting & Co., N. Attleboro', Mass.
Wilcox Silver Plate Co., Meriden, Conn.
Williams Bros. Mfg. Co., Naubuc, Conn.

C. STERLING FLAT WARE.
Geo. Careless, 529 Commerce St., Philadelphia, Pa.
Dominick & Haff, 860 Broadway, New York.
Gorham Mfg. Co., Providence, R. I.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Middletown Plate Co., Middletown, Conn.
Reed & Barton, Taunton, Mass.
George W. Shiebier, 8 Liberty Place, New York.
Tiffany & Co., 15 Union Square, New York.
Towle Mfg. Co., Newburyport, Mass.
A. F. Towle & Son, Greenfield, Mass.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
F. M. Whiting & Co., North Attleboro', Mass.
Whiting Mfg. Co., 31 Union Square, New York.
Williams Bros. Mfg. Co., Naubuc, Conn.
Wood & Hughes, 16 John St., New York.

2201. GERMAN SILVER WARE.

Hall, Elton & Co., Wallingford, Conn.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Rogers & Hamilton Co., Waterbury, Conn. *26

2202. HOLLOW WARE.

A. PLATED HOLLOW WARE.
Acme Silver Plate Co., Boylston c. Bismarck St., Boston, Mass.
Aurora Silver Plate Mfg. Co., Aurora, Ill.
J. A. Babcock & Co., 127 Worth St., New York.
Luther Boardman & Son, E. Haddam, Conn.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Derby Silver Co., Birmingham, Conn.
Dominick & Haff, 860 Broadway, New York.

Globe Silver Plate Co., New Bedford, Mass.
Hartford Silver Plate Co., Hartford, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Manhattan Silver Plate Co., Lyons, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Pairpoint Mfg. Co., New Bedford, Mass. *25
Pelton Bros. & Co., 717 S. 6th St., St. Louis, Mo.
Reed & Barton, Taunton, Mass.
Rogers & Bros., Waterbury, Conn.
C. Rogers & Bros., Meriden, Conn.
Rogers & Hamilton Co., Waterbury, Conn. *26
Wm. Rogers Mfg Co., Hartford, Conn.
Henry Schade, 56 Ainslie St., Brooklyn, N. Y.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Southington Cutlery Co., Southington, Conn.
A. F. Towle & Son, Greenfield, Mass.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
E. G. Webster & Son, 622 Atlantic Av., Brooklyn, N. Y.
Wilcox Silver Plate Co., Meriden, Conn.

B. STERLING HOLLOW WARE.
Acme Silver Plate Co., Boylston c. Bismarck St., Boston, Mass.
Geo. Careless, 529 Commerce St., Philadelphia, Pa.
Dominick & Haff, 860 Broadway, New York.
Gorham Mfg. Co., Providence, R. I.
Hartford Silver Plate Co., Hartford, Conn.
Reed & Barton, Taunton, Mass.
Geo. W. Shiebler, 8 Liberty Place, New York.
Tiffany & Co., 15 Union Square, New York.
A. F. Towle & Son, Greenfield, Mass.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
Whiting Mfg. Co., 31 Union Square, New York.
Wood & Hughes, 16 John St., New York.

2203. HOTEL WARE, PLATED.

Harvey Filley & Sons, 15 S. 13th St., Philadelphia, Pa.
Globe Silver Plate Co., New Bedford, Mass.
Gorham Mfg. Co., Providence, R. I.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Manhattan Silver Plate Co., Lyons, N. Y.
Meriden Britannia Co., Meriden, Conn.
Meriden Silver Plate Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
Pairpoint Mfg. Co., New Bedford, Mass. *25
Reed & Barton, Taunton, Mass.
Rogers & Bros., Waterbury, Conn.
C. Rogers & Bros., Meriden, Conn.
Rogers & Hamilton Co., Waterbury, Conn. *26
Simpson, Hall, Miller & Co., Wallingford, Conn.
Wilcox Silver Plate Co., Meriden, Conn.

2204. SILVER WARE.

A. NICKEL SILVER PLATED WARE.
Luther Boardman & Son, E. Haddam, Conn.
Gorham Mfg. Co., Providence, R. I.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Maltby, Stevens & Curtiss Co., Wallingford, Conn.
Pairpoint Mfg. Co., New Bedford, Mass. *25
Simpson Nickel Silver Co., Wallingford, Conn.
Tiffany & Co., 15 Union Square, New York.
A. F. Towle & Son, Greenfield, Mass.
Wallace & Sons Mfg. Co., Wallingford, Conn.
Wilcox Silver Plate Co., Meriden, Conn.

B. PLATED SILVER WARE.
Acme Silver Plate Co., Boylston c. Bismarck Sts., Boston, Mass.
Aurora Silver Plate Mfg. Co., Aurora, Ill.
R. Blackinton & Co., N. Attleboro', Mass.
Luther Boardman & Son, E. Haddam, Conn.
J. Briggs & Sons Co., 65 Clifford St., Providence, R. I.
Derby Silver Co., Birmingham, Conn.
Wm. B. Durgin, Concord, N. H.
Globe Silver Plate Co., New Bedford, Mass.
Hartford Silver Plate Co., Hartford, Conn.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Holmes & Edwards Silver Co., Bridgeport, Conn.
Kann & Sons Mfg. Co., Baltimore, Md.
S. Kirk & Son, Baltimore, Md.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.

Maltby, Stevens & Curtiss Co., Wallingford, Conn.
Manhattan Silver Plate Co., 23 John St., New York.
Manning, Bowman & Co., Meriden, Conn.
Benjamin J. Mayo, Newark, N. J.
John Meadows, 20 N. 9th St., Philadelphia, Pa.
Meriden Britannia Co., Meriden, Conn.
Meriden Silver Plate Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
S. F. Myers & Co., 50 Maiden Lane, New York. *68
Pairpoint Mfg. Co., New Bedford, Mass. *25
Pelton Bros. & Co., 717 S. 6th St., St. Louis, Mo.
Reed & Barton, Taunton, Mass.
Rockford Silver Plate Co., Rockford, Ill.
Rogers & Bro., Waterbury, Conn.
C. Rogers & Bros., Meriden, Conn.
Wm. Rogers Mfg. Co., Hartford, Conn.
Rogers & Hamilton Co., Waterbury, Conn. *26
Henry Schade, 56 Ainslie St., Brooklyn, N. Y.
A. B. Schreuder, Syracuse, N. Y.
Joseph Seymour, Sons & Co., Syracuse, N. Y.
Silver Plate Cutlery Works, Birmingham, Conn.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Towle Mfg. Co., Newburyport, Mass.
A. F. Towle & Son, Greenfield, Mass.
R Wallace & Sons Mfg. Co., Wallingford, Conn.
E. G. Webster & Son, 622 Atlantic Av., Brooklyn, N. Y.
F. M. Whiting & Co., N. Attleboro', Mass.
Wilcox Silver Plate Co., Meriden, Conn.

C. STERLING SILVER WARE.

Bigelow, Kennard & Co., 511 Washington St., Boston, Mass.
Geo. Careless, 529 Commerce St., Philadelphia, Pa.
Dominick & Haff, 860 Broadway, New York.
Gorham Mfg. Co., Providence, R. I.
Hamilton & Diesinger, 619 Jayne St., Philadelphia, Pa.
J. B. & S. M. Knowles, Providence, R. I.
Reed & Barton, Taunton, Mass.
George W. Shiebler, 8 Liberty Place, New York.
Shreve, Crump & Low Co., 147 Tremont St., Boston, Mass.
Spaulding & Co., State & Jackson Sts., Chicago, Ill.
Theo. B. Starr, 206 5th Av., New York.
Tiffany & Co., 15 Union Square, New York.
Towle Mfg. Co., Newburyport, Mass.
A. F. Towle & Son, Greenfield, Mass.
R. Wallace & Sons Mfg. Co., Wallingford, Conn.
F. M. Whiting & Co., N. Attleboro', Mass.
Whiting Mfg. Co., 31 Union Square, New York.
Wood & Hughes, 16 John St., New York.

2205. TABLE KNIVES, PLATED.

E. E. Barrows Co., N. Attleboro', Mass.
Luther Boardman & Son., E. Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Meriden Britannia Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
Northampton Cutlery Co., Northampton, Conn.
Pairpoint Mfg. Co., New Bedford, Mass. *25
Rogers & Bro., Waterbury, Conn.
Rogers & Hamilton Co., Waterbury, Conn. *26
John Russell Cutlery Co., Turner's Falls, Mass.
Simpson, Hall, Miller & Co., Wallingford, Conn.
Williams Bros. Mfg. Co., Naubuc, Conn.

XXXVI. STATIONERY AND PRINTING.

2206. ACADEMY BOARD.
C. T. Raynolds & Co., 106 Fulton St., New York.

2207. ALBERTYPES.
Forbes Lith. Mfg. Co., 181 Devonshire St., Boston, Mass. *245

2208. ALBUMS.

A. AUTOGRAPH ALBUMS.
Boorum & Pease, 30 Reade St., New York.
Koch, Sons & Co., 543 Pearl St., New York.
Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.

B. PHOTOGRAPH ALBUMS.
Art Album Co., Battle Creek, Mich.
Boorum & Pease, 30 Reade St., New York.
Thomas Kelly, 358 Broome St., New York.
Koch, Sons & Co., 543 Pearl St., New York.
Lewis Pattberg & Bros., Jersey City, N. J.
F. Reifschneider, 299 Broadway, New York.
Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.

C. POSTAGE STAMP ALBUMS.
Scott Stamp & Coin Co., Ltd., 12 E. 23d St., New York.

2209. BILL FILE HOOKS.
H. L. Judd & Co., 87 Chambers St., New York.
Low Art Tile Co., Chelsea, Mass.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
C. T. Williamson Wire Novelty Co., Newark, N. J.

2210. BINDERS, BOOK & PAPER.
H. W. Creelman, 196 William St., New York.
Koch, Sons & Co., 543 Pearl St., New York.
Library Bureau, 146 Franklin St., Boston, Mass.
William Mann & Co., 88 Maiden Lane, New York.
Asa L. Shipman's Sons, 10 Murray St., New York.
W. Waters & Son, 101 Fulton St., New York.

2211. BLACKBOARDS.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Auld & Conger, Cleveland, O.
O. D. Case & Co., Hartford, Conn.
Haynes Veneer Blackboard Co., Richmond, Ind.
W. S. Reed Toy Co., Leominster, Mass.
S. A. Smith & Co., Brattleboro', Vt. *102

A. BLACKBOARD DIVIDERS.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Munger & Son, East River, Conn.

B. CLOTH BLACKBOARDS.
Munger & Son, East River, Conn.

C. ROLL BLACKBOARDS.
New York Silicate Book Slate Co., 35 Vesey St., New York.

D. SILICATE BLACKBOARDS.
New York Silicate Book Slate Co., 35 Vesey St., New York.

E. SLATE BLACKBOARDS.
C. W. Billings, Troy, N. Y.
E. L. Goodrich & Co., Fair Haven, Vt.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Hazard Slate Co., Fair Haven, Vt.
Penrhyn Slate Co., 101 E. 17th St., New York.

F. BLACKBOARD SLATING LIQUID.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Munger & Son, East River, Conn.
New York Silicate Book Slate Co., 35 Vesey St., New York.

2212. BLANK BOOKS.

A. ACCOUNT BOOKS.
Agar, Hamblin & Co., 292 Broadway, New York.
Akerman & Co., Providence, R. I.
Althof & Bahls, San Francisco, Cal.
Geo. D. Barnard & Co., 1101 Washington Av., St. Louis, Mo.
Brooks & Co., Cleveland, O.
Burr Index Co., Hartford, Conn. *103
Cameron, Amberg & Co., 71 Lake St., Chicago, Ill.
Wm. M. Christy, Sons & Co., 312 Chestnut St., Phila., Pa.
Dakota State Bindery Co., Huron, S. Dak.
Egbert, Fidlar & Chambers, Davenport, Iowa.
R. & T. A. Ennis Stationery Co., 120 Olive St., St. Louis, Mo.
Francis & Loutrel, 45 Maiden Lane, New York.
Aaron R. Gay & Co., 122 State St., Boston, Mass.
Thomas Groom & Co., 82 State St., Boston, Mass.
W. O. Guilford, Waterbury, Conn.
James T. Hair & Co., 51 W. Washington St., Chicago, Ill.
J. C. Hartfield & Son, 92 Pine St., New York.
James P. Harrison Co., Atlanta, Ga.
Hicks, Judd & Co., San Francisco, Cal.
Hofstetter Bros., 719 Vine St., Philadelphia, Pa.
Kiggins & Tooker Co., 123 William St., New York.
B. A. Kissam, 32 Beekman St., New York.

	Koch, Sons & Co., 543 Pearl St., New York.
	Liebenroth, Von Auw & Co., 48 Franklin St., New York.
	R. E. Lusk & Son, 87 Liberty St., New York.
	J. S. McDonald & Co., 26 Randolph St., Chicago, Ill.
	Wm. Mann Co., 529 Market St., Philadelphia, Pa.
	Marshall & Bruce, Nashville, Tenn.
	Maynard, Gough & Co., Worcester, Mass.
	Miller-Megee Co., Ridge Av. & Noble St., Philadelphia, Pa.
	W. F. Murphy's Sons Co., 509 Chestnut St., Philadelphia, Pa.
	National Blank Book Co., Holyoke, Mass.
	New York Blank Book Co., 29 Beekman St., New York.
	Plimpton Mfg. Co., Hartford, Conn.
	H. G. Razall Mfg. Co., Milwaukee, Wis.
	Reynolds & Reynolds Co., Dayton, O.
	Roaring Spring Blank Book Co., Roaring Spring, Pa.
	Sentinel Co., Milwaukee, Wis.
	J. G. Shaw Blank Book Co., 261 Canal St., New York.
	Sheffield Mfg. Co., Saugerties, N. Y.
	Short & Forman, Cleveland, O.
	Siebert & Lilley, Columbus, O.
	Swinburne Printing Co. Minneapolis, Minn.
	Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.
	Troup Mfg. Co., Dayton, O.
	Whelan & Tracy Blank Book Mfg. Co., San Francisco, Cal.
	Winn & Hammond, Detroit, Mich.
B. ADVERTISING MEMORANDUM BOOKS.	Cussons, May & Co., Glen Allen, Va.
	W. B. Pershing & Co., 119 W. Market St., South Bend, Ind.
C. BUSINESS COLLEGE BOOKS.	Boorum & Pease, 30 Reade St., New York.
D. CASH BOOKS.	American Bank Note Co., 86 Trinity Place, New York.
	Boorum & Pease, 30 Reade St., New York.
	William Mann Co., 529 Market St., Philadelphia, Pa.
	National Blank Book Co., Holyoke, Mass.
E. COMPOSITION BOOKS.	New York Blank Book Co., 29 Beekman St., New York.
	W. W. White Co., Dayton, O. *86
F. DRAWING BOOKS.	Boorum & Pease, 30 Reade St., New York.
	National Blank Book Co., Holyoke, Mass.
G. ENGINEERS' FIELD BOOKS.	Keuffel & Esser, 127 Fulton St., New York.
	Thompson & Richardson, 87 Pearl St., New York.
H. HOTEL REGISTERS.	Thomas Groom & Co., 82 State St., Boston, Mass.
	Maynard, Gough & Co., Worcester, Mass.
I. INVOICE BOOKS.	Boorum & Pease, 30 Reade St., New York.
	Egbert, Fidlar & Chambers, Davenport, Iowa.
	Koch, Sons & Co., 543 Pearl St., New York.
	Wm. Mann Co., 529 Market St., Philadelphia, Pa.
	New York Blank Book Co., 29 Beekman St., New York.
	Asa L. Shipman's Sons, 10 Murray St., New York.
J. LETTER COPYING BOOKS.	Amberg File & Index Co., 71 Lake St., Chicago, Ill.
	Bailey Mfg. Co., Hartford, Conn.
	Boorum & Pease, 30 Reade St., New York.
	E. L. Fargo, 73 Gold St., New York.
	Thomas Groom & Co., 82 State St., Boston, Mass.
	C. S. McKim Co., Cleveland, O.
	Wm. Mann Co., 529 Market St., Philadelphia, Pa.
	New York Blank Book Co., 29 Beekman St., New York.
	H. G. Razall Mfg. Co., Milwaukee, Wis.
	J. G. Shaw Blank Book Co., 261 Canal St., New York.
K. MANIFOLD BOOKS.	Francis & Loutrel, 45 Maiden Lane, New York.
	Samuel Hano Co., 91 Bedford St., Boston, Mass.
L. MEMORANDUM BOOKS.	Geo. D. Barnard & Co., 1001 Washington Av., St. Louis, Mo.
	Boorum & Pease, 30 Reade St., New York.
	Egbert, Fidlar & Chambers, Davenport, Iowa.
	William Mann Co., 529 Market St., Philadelphia, Pa.
	National Blank Book Co., Holyoke, Mass.
	New York Blank Book Co., 29 Beekman St., New York.
	J. G. Shaw Blank Book Co., 261 Canal St., New York.
	Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.
M. MUSIC BOOKS.	Koch, Sons & Co., 543 Pearl St., New York.
N. NOTE BOOKS.	Boorum & Pease, 30 Reade St., New York.
	Thomas Groom & Co., 82 State St., Boston, Mass.
	William Mann Co., 529 Market St., Philadelphia, Pa.
O. ORDER BOOKS.	New York Blank Book Co., 29 Beekman St., New York.
P. ORDER BOOKS, REPEATING.	Reynolds & Reynolds Co., Dayton, O.
Q. PASS BOOKS.	Geo. D. Barnard & Co., 1001 Washington Av., St. Louis, Mo.
	William Mann Co., 529 Market St., Pniladelphia, Pa.
	National Blank Book Co., Holyoke, Mass.

	New York Blank Book Co., 29 Beekman St., New York.
R. PHYSICIANS' BOOKS.	Burr Index Co., Hartford, Conn. *103
S. RECEIPT BOOKS.	William Mann Co., 529 Market St., Philadelphia, Pa.
T. RECORD BOOKS.	Boorum & Pease, 30 Reade St., New York.
	Thomas Groom & Co., 82 State St., Boston, Mass.
U. SALES BOOKS.	Boorum & Pease, 30 Reade St., New York.
	Wm. Mann Co., 529 Market St., Philadelphia, Pa.
	Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.
V. SCHOOL WRITING BOOKS.	American Book Co., 806 Broadway, New York.
	Boorum & Pease, 30 Reade St., New York.
W. SCRAP BOOKS.	Boorum & Pease, 30 Reade St., New York.
	Koch, Sons & Co., 543 Pearl St., New York.
	Asa L. Shipman's Sons, 10 Murray St., New York.
	Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.
X. SCRATCH BOOKS.	Boorum & Pease, 30 Reade St., New York.
	Burr Index Co., Hartford, Conn. *103
2213. BLOTTING PAD HOLDERS.	
	Gage Tool Co., Vineland, N. J.
2214. BOOK COVERS.	Holden Book Cover Co., Dayton, O.
2215. CABLE CODES.	J. C. Hartfield & Son, 6 S. William St., New York.
	B. Franklin Lieber, 2 Stone St., New York.
2216. CALENDARS.	Arlington Mfg. Co., 392 Broadway, New York.
	Birmingham Iron Foundry, Birmingham, Conn.
	Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
	Cosack & Co., Buffalo. N. Y.
	Cussons, May & Co., Glen Allen, Va.
	Forbes Lithograph Mfg. Co., 181 Devonshire St., Boston, Mass.
	E. N. Heath, Wakefield, Mass.
	H. L. Judd & Co., 87 Chambers St., New York.
	John A. Lowell & Co., 147 Franklin St., Boston, Mass.
	L. Prang & Co., 286 Roxbury St., Boston, Mass.
	Wittemann Litho. Co., 188 William St., New York.
2217. CARDS.	
A. ADVERTISING CARDS.	Bufford's Sons Lithographic Co., 67 Federal St., Boston, Mass.
	Kaufman & Strauss, 75 Duane St., New York.
	Geo. S. Vibbert & Co., Clintonville, Conn.
B. BEVEL EDGE CARDS.	Barnum & Co., 120 William St., New York.
	Hastings Card Co., Ltd., 26 Beekman St., New York.
	Geo. B. Hurd & Co., 79 Beekman St., New York.
	S. Trier & Son, 190 William St., New York.
	Geo. S. Vibbert & Co., Clintonville, Conn.
C. CHROMO CARDS.	Charles Beck Paper Co., 609 Chestnut St., Philadelphia, Pa.
	J. Hoover, 450 N. 13th St., Philadelphia, Pa.
	L. Prang & Co., 286 Roxbury St., Boston, Mass.
	Geo. S. Vibbert & Co., Clintonville, Conn.
	Wolf & Co., 617 Arch St., Philadelphia, Pa.
D. CUT CARDS.	Barnum & Co., 120 William St., New York.
	Charles Beck Paper Co., 609 Chestnut St., Philadelphia, Pa.
	A. M. Collins Mfg. Co., 527 Arch St., Philadelphia, Pa.
	Philip Hake, 155 William St., New York.
	Hastings Card Co., Ltd., 26 Beekman St., New York.
	Geo. B. Hurd & Co., 79 Beekman St., New York.
	Phœnix Card & Paper Co., 47 Beekman St., New York.
	Geo. H. Simpson, 194 William St., New York.
	S. Trier & Son, 190 William St., New York.
	Geo. S. Vibbert & Co., Clintonville, Conn.
E. DANCE ORDERS.	Philip Hake, 155 William St., New York.
	Hastings Card Co., Ltd., 26 Beekman St., New York.
	Geo. S. Vibbert & Co., Clintonville, Conn.
F. DIRECTION CARDS.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
G. DRAWING CARDS.	A. Lovell & Co., 3 E. 14th St., New York.
	L. Prang & Co., 286 Roxbury St., Boston, Mass.
H. GILT EDGE CARDS.	A. M. Collins Mfg. Co., 527 Arch St., Philadelphia, Pa.
	Philip Hake, 155 William St., New York.
	Hastings Card Co., Ltd., 26 Beekman St., New York.
	Geo. B. Hurd & Co., 79 Beekman St., New York.
I. HOLIDAY CARDS.	Kaufman & Strauss, 75 Duane St., New York.
	L. Prang & Co., 286 Roxbury St., Boston, Mass.
	Chas. Taber & Co., New Bedford, Mass.
	Geo. S. Vibbert & Co., Clintonville, Conn.
	Geo. C. Whitney, Worcester, Mass.
J. MEMORANDUM CARDS.	Philip Hake, 155 William St., New York.
	Hastings Card Co., Ltd., 26 Beekman St., New York.
K. MEMORIAL CARDS.	Memorial Card Co., 120 N. 7th St., Philadelphia, Pa.
L. MERIT CARDS.	L. Prang & Co., 286 Roxbury St., Boston, Mass.
	Geo. S. Vibbert & Co., Clintonville, Conn.

M. MUSIC CARDS.
Koch, Sons & Co., 543 Pearl St., New York.

N. PLAYING CARDS.
A. Ball & Bro., 85 Market St., Chicago, Ill.
A. Dougherty, 80 Centre St., New York.
Bernard Dreyfuss, 79 Duane St., New York.
Globe Playing Card Co., Middletown, O.
Mason & Co., 84 Dearborn St., Chicago, Ill.
New York Consolidated Card Co., 226 W. 14th St., New York.
Paper Fabrique Co., Basic City, Va.

O. RAGGED EDGE CARDS.
Hastings Card Co., Ltd., 26 Beekman St., New York.
Geo. B. Hurd & Co., 79 Beekman St., New York.
Phœnix Card & Paper Co., 47 Beekman St., New York.
Geo. S. Vibbert & Co., Clintonville, Conn.

P. SAMPLE CARDS.
John Barnett, 832 Broadway, New York.
Chas. C. Haensler, 37 John St., New York.
John K. MacIlwain, 31 S. 3d St., Philadelphia, Pa.

2218. CARD COUNTERS.
Cussons, May & Co., Glen Allen, Va.

2219. CARD RACKS.
Landers, Frary & Clark, New Britain, Conn.
H. R. Van Epps, Peoria, Ill.

2220. CHECK PROTECTORS.
Abbott Machine Co., 47 S. Canal St., Chicago, Ill.
Automatic Bank Punch Co., 5 Beekman St., New York.
Geo. Eakins & Son, 616 Chestnut St., Philadelphia, Pa.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Mechanical Specialty Co., 128 Purchase Place, Boston, Mass.
R. H. Smith Mfg. Co., Springfield, Mass. *85

A. CHECK CANCELLING MACHINES.
Abbott Machine Co., 47 S. Canal St., Chicago, Ill.
Bonn Bros., 52 S. Canal St., Chicago, Ill.

2221. CLIPS, STATIONERS'.
American Book Co., 806 Broadway, New York.
Cohannet Mill, Taunton, Mass.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
H. L. Judd & Co., 87 Chambers St., New York.
Landers, Frary & Clark, New Britain, Conn.
Philadelphia Novelty Mfg. Co., 428 W. 13th St., Phila., Pa.
Scott Stamp & Coin Co., Ltd., 12 E. 23d St., New York.
Spencerian Pen Co., 810 Broadway, New York.
W. H. Woglom, 239 Greenwich St., New York.

2222. COIN HOLDERS.
Cutter Tower Co., 10 Federal St., Boston, Mass.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Scott Stamp & Coin Co., Ltd., 12 E. 23d St., New York.

2223. COMMERCIAL LITHOGRAPHING & PRINTING.

A. CHEQUE & DRAFT BOOKS.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Corlies, Macy & Co., 39 Nassau St., New York.
Forbes Lith. Mfg. Co., 181 Devonshire St., Boston, Mass. *245
Francis & Loutrel, 45 Maiden Lane, New York.
Gies & Co., Buffalo, N. Y.
Griffith, Artell & Cady Co., Holyoke, Mass.
J. C. Hall & Co., Providence, R. I.
Milton C. Johnson & Co., 32 Reade St., New York.
J. M. W. Jones Stationery & Pr. Co., 76 Sherman St., Chicago, Ill.
Wm. Mann Co., 529 Market St., Philadelphia, Pa.
J. Ottmann Lithographing Co., 39 E. Houston St., New York.
Western Bank Note & Engr. Co., 207 Madison St., Chicago, Ill.

B. CORPORATION SECURITIES.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Wm. M. Cristy's Sons & Co., 312 Chestnut St., Philadelphia, Pa.
Forbes Lith. Mfg. Co., 181 Devonshire St., Boston, Mass. *245
William Mann Co., 529 Market St., Philadelphia, Pa.

C. LAW BLANKS.
Baker, Voorhis & Co., 66 Nassau St., New York.
Robert Clarke & Co., 61 W. 4th St., Cincinnati, O.
Little, Brown & Co., 254 Washington St., Boston, Mass.

D. MARRIAGE CERTIFICATES.
L. Prang & Co., 286 Roxbury St., Boston, Mass.

E RAILWAY FOLDERS.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.
Rand, McNally & Co., 168 Adams St., Chicago, Ill.
Western Bank Note Engraving Co., 207 Madison St., Chicago, Ill.

F. RAILWAY TICKETS.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Franklin Bank Note Co., 742 Broadway, New York.
New York Bank Note Co., 1 Broadway, New York.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.
Rand, McNally & Co., 168 Adams St., Chicago, Ill.

G. SHOW CARDS.
American Bank Note Co., 86 Trinity Place, New York.

Brett Lithographing Co., 49 Rose St., New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Cosack & Co., Buffalo, N. Y.
Gies & Co., Buffalo, N. Y.
Krebs Lithographing Co., 138 Sycamore St., Cincinnati, O.
Nixon-Jones Printing Co., 212 Pine St., St. Louis, Mo.
Price Bros. & Co., 127 Worth St., New York.
Rand, McNally & Co., 168 Adams St., Chicago, Ill.
Wittemann Lithographing Co., 188 William St., New York.
Wolf & Co., 617 Arch St., Philadelphia, Pa.

H. THEATRICAL POSTERS.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Bufford's Sons Lithographic Co., 67 Federal St., Boston, Mass.
Richard K. Fox, 340 Pearl St., New York.
Forbes Lithograph Mfg. Co., 181 Devonshire St., Boston, Mass.
J. Ottmann Lithographing Co., 39 E. Houston St., New York.
A. S. Seer Theatrical Printing Co., 19 E. 17th St., New York.
Wolf & Co., 617 Arch St., Philadelphia, Pa.

2224. COMMERCIAL STEEL ENGRAVING.

A. BANK NOTES.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Western Bank Note & Engr. Co., 207 Madison St., Boston, Mass.

B. BILLS OF EXCHANGE.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Franklin Bank Note Co., 142 Broadway, New York.
Homer Lee Bank Note Co., 154 Nassau St., New York.
John A. Lowell & Co., 147 Franklin St., Boston, Mass.

C. CORPORATION SECURITIES.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.
Franklin Bank Note Co., 142 Broadway, New York.
Homer Lee Bank Note Co., 154 Nassau St., New York.
International Bank Note Co., 18 Broadway, New York.
New York Bank Note Co., 1 Broadway, New York.

D. LETTERS OF CREDIT.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.

2225. COPYING PRESSES.

Belleville Pump & Skein Works, Belleville, Ill.
Belleville Stove Works, Belleville, Ill.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
Excelsior Foundry Co., 3d St. & Eggleston Av., Cincinnati, O.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
R. Hoe & Co., 504 Grand St., New York.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Office Specialty Mfg. Co., Rochester, N. Y.
Portable Copying Press Co., Grand Rapids, Mich.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Thos. Shriver & Co., 333 E. 56th St., New York.
Stiles & Parker Press Co., Middletown, Conn.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.
Whitcomb Mfg. Co., Worcester, Mass.

A. COPYING SHEETS.
Bailey Mfg. Co., Hartford, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.

B. COPYING SHEET BATHS.
Cameron, Amberg & Co., 71 Lake St., Chicago, Ill.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.

C. PORTABLE COPYING PRESS.
Portable Copying Press Co., Grand Rapids, Mich.

2226. CORK PAPERS.

Thompson & Norris Co., 10 Prince St., Brooklyn, N. Y.

2227. COUNTERFEIT COIN DETECTORS.

Abbott Machine Co., 47 S. Canal St., Chicago, Ill.

2228. CRAYONS.

A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Louis Bertsch, 145 Elm St., New York.
Munger & Son, East River, Conn.
National Crayon Co., 117 N. 4th St., Philadelphia, Pa.
Union School Furniture Co., Battle Creek, Mich.

A. COLORED CRAYONS.
American Lead Pencil Co., 50 Howard St., New York.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.
D. M. Steward Mfg. Co., Chattanooga, Tenn.

B. DUSTLESS CRAYONS.
Union School Furniture Co., Battle Creek, Mich.

C. METAL WORKERS' CRAYONS.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cinn., O. *54

D. SILICATE CRAYONS.
New York Silicate Book Slate Co., 35 Vesey St., New York.

2229. CRAYON HOLDERS.

Munger & Son, East River, Conn.

2230. CURRENCY HOLDERS.

Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

Landers, Frary & Clark, New Britain, Conn.

2231. DIARIES.
Kiggins & Tooker, 123 William St., New York.
Francis & Loutrel, 45 Maiden Lane, New York.

2232. DICTIONARY HOLDERS.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
W. F. Holloway, Cuyahoga Falls, O.
R. M. Lambre, 39 E. 19th St., New York.
Sargent Mfg. Co., 814 Broadway, New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

2233. ENGINEERS' SECTION & PROFILE PAPERS.
Keuffel & Esser Co., 127 Fulton St., New York.
Jas. W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.

2234. ENGRAVED STATIONERY.
Dempsey & Carroll, 36 E. 14th St., New York.
J. M. W. Jones Stationery & Pr. Co., 76 Sherman St., Chicago, Ill.
John A. Lowell & Co., 147 Franklin St., Boston, Mass.
William Mann Co., 529 Market St., Philadelphia, Pa.
Tiffany & Co., 15 Union Square, New York.

2235. ENVELOPES.
Barnum & Co., 120 William St., New York.
Berlin & Jones Envelope Co., 136 William St., New York.
Birnie Paper Co., Springfield, Mass.
Emerson, Low & Barber Co., Worcester, Mass.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Geo. B. Hurd & Co., 79 Beekman St., New York.
P. P. Kellogg & Co., Springfield, Mass.
W. E. & E. D. Lockwood, S. 3d St., Philadelphia, Pa.
Morgan Envelope Co., Springfield, Mass. *79
Plimpton Mfg. Co., Hartford, Conn.
Thos. W. Price Co., 503 Minor St., Philadelphia, Pa.
Raynor & Martin, 115 William St., New York.
Sheffield Mfg. Co., Saugerties, N. Y.
Springfield Envelope Co., Springfield, Mass.
U. S. Stamped Envelope Works, Hartford, Conn.
Marcus Ward & Co., 734 Broadway, New York.
Whitcomb Envelope Co., Worcester, Mass.
White, Corbin & Co., Rockville, Conn.
Whiting Paper Co., Holyoke, Mass.

A. CATALOGUE ENVELOPES.
Clasp Envelope Co., 39 W. Broadway, New York.
Emerson, Low & Barber Co., Worcester, Mass.
Griffith, Artell & Cady Co., Holyoke, Mass.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Howe Pattern & Mfg. Co., Detroit, Mich.

B. CLASP ENVELOPES.
Clasp Envelope Co., 39 W. Broadway, New York.
Emerson, Low & Barber Co., Worcester, Mass.

C. COIN ENVELOPES.
Emerson, Low & Barber Co., Worcester, Mass.
W. H. Hill, Worcester, Mass.
Springfield Envelope Co., Springfield, Mass.
Whitcomb Envelope Co., Worcester, Mass.

D. DOCUMENT ENVELOPES.
Barnum & Co., 120 William St., New York.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
W. H. Hill, Worcester, Mass.
Plimpton Mfg. Co., Hartford, Conn.

E. DRUG ENVELOPES.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Springfield Envelope Co., Springfield, Mass.
Whitcomb Envelope Co., Worcester, Mass.

F. EMBOSSED ENVELOPES.
Gillam's Sons Co., 119 N. 4th St., Philadelphia, Pa.
Wolf & Co., 617 Arch St., Philadelphia, Pa.

G. EXPRESS ENVELOPES.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Springfield Envelope Co., Springfield, Mass.

H. GLOVE ENVELOPES.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Springfield Envelope Co., Springfield, Mass.
Whitcomb Envelope Co., Worcester, Mass.

I. HAND SEALED ENVELOPES.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.

J. MANILLA ENVELOPES.
Holyoke Envelope Co., Holyoke, Mass.
Whitcomb Envelope Co., Worcester, Mass.

K. METAL ENVELOPES.
B. L. Weaver, 1157 W. Madison St., Chicago, Ill.

L. MOURNING ENVELOPES.
Barnum & Co., 120 William St., New York.
Geo. B. Hurd & Co., 79 Beekman St., New York.

Morgan Envelope Co., Springfield, Mass. *79
Raynor & Martin, 115 William St., New York.
Sheffield Mfg. Co., Saugerties, N. Y.
Weaver Mailing Env. & Box Co., 118 Dearborn St., Chicago, Ill.

M. NOVELTIES, ENVELOPE. Holyoke Envelope Co., Holyoke, Mass.
Morgan Envelope Co., Springfield, Mass. *79

N. PAY ENVELOPES. W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Howe Pattern Mfg. Co., Detroit, Mich.
Whitcomb Envelope Co., Worcester, Mass.

O. PHOTOGRAPH ENVELOPES. W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Springfield Envelope Co., Springfield, Mass.
Whitcomb Envelope Co., Worcester, Mass.

P. PRINTED ENVELOPES. Holyoke Envelope Co., Holyoke, Mass.
Springfield Envelope Co., Springfield, Mass.

Q. REVERSIBLE ENVELOPES. John F. Diemer, 71 Fulton St., New York.

R. SAMPLE ENVELOPES. Clasp Envelope Co., 39 W. Broadway, New York.
W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Howe Pattern Mfg. Co., Detroit, Mich.

S. SPECIAL ENVELOPES. Geo. S. Vibbert & Co., Clintonville, Conn.

T. TIE ENVELOPES. E. C. Bridgman, 84 Warren St., New York.
W. H. Hill, Worcester, Mass.

U. TOOTH BRUSH ENVELOPES. W. H. Hill, Worcester, Mass.
Holyoke Envelope Co., Holyoke, Mass.
Whitcomb Envelope Co., Worcester, Mass.

V. TAG ENVELOPES. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Jos. T. Dunham & Co., 59 John St., New York.
W. H. Hill, Worcester, Mass.
Howe Pattern Mfg. Co., Detroit, Mich.
Sackett Wire Tag Co., Garden Prairie, Ill.

2236. ENVELOPE MOISTENERS.

Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
Specialty Mfg. Co., Cleveland, O.

2237. ERASERS.

A. BLACKBOARD ERASERS. Grand Rapids School Furniture Co., Grand Rapids, Mich.
Munger & Son, East River, Conn.
Shepard & Co., Fulton, N. Y.

B. DUSTLESS ERASERS. A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.

C. LIQUID ERASERS. Cutte-rTower Co., 10 Federal St., Boston, Mass.
D. A. Keister, 10 Hudson St., Cleveland, O.

D. SLATE ERASERS. F. A. Burger, 4123 Powellton Av., Philadelphia, Pa.
Munger & Son, East River, Conn.

E. STEEL ERASERS. Eberhard Faber, 545 Pearl St., New York.
Miller Bros. Cutlery Co., Meriden, Conn.

2238. FASTENERS, STATIONERS'.

A. CARD FASTENERS. American Book Co., 806 Broadway, New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

B. PAPER FASTENERS. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
B. Lawrence Stationery Co., 224 Centre St., New York.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Phila., Pa.

2239. FILES, STATIONERS'.

A. BILL & LETTER FILES. Amberg File & Index Co., 71 Lake St., Chicago, Ill.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Canton Cabinet Filing Case Co., Canton, O.
A. A. Dick Co., 154 Lake St., Chicago, Ill.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Koch, Sons & Co., 543 Pearl St., New York.
Milton Bradley Co., Springfield, Mass.
Office Specialty Mfg. Co., Rochester, N. Y.
M. Ohmer's Sons, Dayton, O.
Reynolds & Reynolds Co., Dayton, O.
Asa L. Shipman's Sons, 10 Murray St., New York.
W. H. Woglom, 239 Greenwich St., New York.

B. NEWSPAPER FILES. J. H. Atwater, Providence, R. I.
Milton Bradley Co., Springfield, Mass.
Globe Co., cor. 2d & John Sts., Cincinnati, O.
Hamilton Mfg. Co., Two Rivers, Wis.
Landers, Frary & Clark, New Britain, Conn.
Asa L. Shipman's Sons, 10 Murray St., New York.

C. STUB FILES. Heller & Bros., Newark, N. J.
Koch, Sons & Co., 543 Pearl St., New York.
Asa L. Shipman's Sons, 10 Murray St., New York.

2240. GLOBES, SCHOOL.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
O. D. Case & Co., Hartford, Conn.
W. A. Choate & Co., Albany, N. Y.
Grand Rapids School Furniture Co., Grand Rapids, Mich.

A. CELESTIAL GLOBES.
Hermann Schedler, 96 Church St., New York.

B. RELIEF GLOBES.
Grand Rapids School Furniture Co., Grand Rapids, Mich.
Hermann Schedler, 96 Church St., New York.

2241. GOVERNMENT ENGRAVING & PRINTING.

A. GOVERNMENT BONDS.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.

B. GOVERNMENT DOCUMENTS.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.

C. PAPER CURRENCY.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.

D. POSTAGE STAMPS.
American Bank Note Co., 86 Trinity Place, New York.
Brooks Bank Note & Lith. Co., 146 Franklin St., Boston, Mass.

2242. GUMMED PAPER.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

2243. HELIOTYPES.
Herman Behr & Co., 75 Beekman St., New York.
Heliotype Printing Co., 211 Tremont St., Boston, Mass.

2244. INDEXES.

A. BOOK INDEXES.
Amberg File & Index Co., 71 Lake St., Chicago, Ill.
Burr Index Co., Hartford, Conn. *103
Office Specialty Mfg. Co., Rochester, N. Y.

B. CARD INDEXES.
Library Bureau, 146 Franklin St., Boston, Mass.

C. INDEX TAGS.
Koch, Sons & Co., 543 Pearl St., New York.

2245. INDICATORS, DOOR.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

2246. INKSTANDS.

A. BRASS INKSTANDS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
Palmer Mfg. Co., 290 Pearl St., New York.

B. CALL BELL INKSTANDS.
Barton Bell Co., Marion, Ind.

C. GLASS INKSTANDS.
Columbia Glass Co., Findlay, O.
Fostoria Glass Co., Fostoria, O.
Gillinder & Son, 135 Oxford St., Philadelphia, Pa.
Rochester Tumbler Co., Pittsburgh, Pa.

D. IRON INKSTANDS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Landers, Frary & Clark, New Britain, Conn.
Meriden Malleable Iron Co., Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.

E. PLATED INKSTANDS.
Meriden Britannia Co., Meriden, Conn.

F. POCKET INKSTANDS.
Akron Rubber Works, Akron, O.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Homer Worden & Co., 228 E. 24th St., New York.

G. SCHOOL DESK INKSTANDS.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.

H. TILE INKSTANDS.
Low Art Tile Co. Works, Chelsea, Mass.

2247. INKS, WRITING.
American Book Co., 806 Broadway, New York.
A. S. Barnes & Co., 751 Broadway, New York.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Caw's Ink & Pen Co., 104 Broadway, New York.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Thaddeus Davids Co., 127 William St., New York.
William A. Davis, 11 Eliot St., Boston, Mass.
Harrison Mfg. Co., Rahway, N. J.
Geo. Leis, Lawrence, Kan.
Levison & Blythe Stationery Co., 213 N. 3d St., St. Louis, Mo.
William Mann Co., 529 Market St., Philadelphia, Pa.
Geo. A. Moss, 165 Reade St., New York.
Pacific Ink Factory, San Francisco, Cal.
Pomeroy Bros., Newark, N. J.
S. S. Stafford, 603 Washington St., New York.
L. H. Thomas Co., 25 Lake St., Chicago, Ill.
John Underwood & Co., 30 Vesey St., New York.

A. CARMINE INK.
A. S. Barnes & Co., 751 Broadway, New York.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Caw's Ink & Pen Co., 104 Broadway, New York.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Thaddeus Davids Co., 129 William St., New York.
William A. Davis, 11 Eliot St., Boston, Mass.
Pomeroy Bros., Newark, N. J.
S. S. Stafford, 603 Washington St., New York.
Homer Worden & Co., 228 E. 24th St., New York.

B. COLORED INKS.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.

Thaddeus Davids Co., 127 William St., New York.
William A. Davis, 11 Eliot St., Boston, Mass.
Hover Ink Co., 145 N. 6th St., Philadelphia, Pa.
Pomeroy Bros., Newark, N. J.
S. S. Stafford, 603 Washington St., New York.
Homer Worden & Co., 228 E. 24th St., New York.

C. COPYING INKS.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Caw's Ink & Pen Co., 104 Broadway, New York.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Thaddeus Davids Co., 127 William St., New York.
William A. Davis, 11 Eliot St., Boston, Mass.
Eberhard Faber, 545 Pearl St., New York.
Hover Ink Co., 145 N. 6th St., Philadelphia, Pa.
William Mann Co., 529 Market St., Philadelphia, Pa.
Pacific Ink Factory, San Francisco, Cal.
Pomeroy Bros., Newark, N. J.
S. S. Stafford, 603 Washington St., New York.
John Underwood & Co., 30 Vesey St., New York.

D. INDELIBLE INKS.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Thaddeus Davids Co., 127 William St., New York.
Pomeroy Bros., Newark, N. J.
Sanford Mfg. Co., 219 Fulton St., Chicago, Ill.
S. S. Stafford, 603 Washington St., New York.
A. L. Williston, Northampton, Mass.

E. MARKING INKS.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Thaddeus Davids Co., 127 William St., New York.
William A. Davis, 11 Eliot St., Boston, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Hover Ink Co., 145 N. 6th St., Philadelphia, Pa.
New York Stencil Works, 100 Nassau St., New York.

F. PAGING INK.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

G. RUBBER STAMP INK.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Detroit Rubber Stamp Co., Detroit, Mich.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85
S. S. Stafford, 603 Washington St., New York.

H. RULING INKS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

I. SAFETY INKS.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Caw's Ink & Pen Co., 104 Broadway, New York.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Cross Pen Co., 168 Devonshire St., Boston, Mass.
William A. Davis, 11 Eliot St., Boston, Mass.
Greenough, Hopkins & Cushings, 168 Devonshire St., Boston, Mass.
S. S. Stafford, 603 Washington St., New York.
L. H. Thomas Co., 215 Lake St., Chicago, Ill.
John Underwood & Co., 30 Vesey St., New York.
Homer Worden & Co., 228 E. 24th St., New York.

J. STYLOGRAPHIC INKS.
A. S. Barnes & Co., 751 Broadway, New York.
W. E. Bonney, S. Hanover, Mass.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
William A. Davis, 11 Eliot St., Boston, Mass.
William Mann Co., 529 Market St., Philadelphia, Pa.
S. S. Stafford, 603 Washington St., New York.

2248. INK ERADICATOR.
Cutter-Tower Co., 10 Federal St., Boston, Mass.

2249. INK VENTS.
Cutter-Tower Co., 10 Federal St., Boston, Mass.

2250. KEY RINGS.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Humason & Beckley Mfg. Co., New Britain, Conn.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
Smith & Egge Mfg. Co., Bridgeport, Conn.

2251. KINDERGARTEN MATERIALS.
Milton Bradley Co., Springfield, Mass.

A. KINDERGARTEN BOOKS.
Milton Bradley Co., Springfield, Mass.
McLoughlin Bros., 623 Broadway, New York.

2252. KNIFE & PENCIL, COMBINED.
Stoddard Lock & Mfg. Co., Saybrook, Conn.

2253. LABELS.
Chas. Beck Paper Co., 609 Chestnut St., Philadelphia, Pa.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Forbes Lith. Mfg. Co., 181 Devonshire St., Boston, Mass. *245
Harris & Co., Salem, O.
Geo. S. Harris & Sons, 718 Arch St., Philadelphia, Pa.
Hofstetter Bros., 719 Vine St., Philadelphia, Pa.
Price Bros. & Co., 112 Fulton St., New York.
Thos. J. Walton, Salem, O.
Witteman Lithograph Co., 188 William St., New York.

A. BOTTLE LABELS.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Witteman Bros., 188 William St., New York.

B. DRUG LABELS.
Cussons, May & Co., Glen Allen, Va.
Gillam's Sons Co., 119 N. 4th St., Philadelphia, Pa.
Harris & Co., Salem, O.

C. GUMMED LABELS.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Harris & Co., Salem, O.
W. B. Pershing & Co., South Bend, Ind.

2254. LADIES' STATIONERY.
Z. & W. M. Crane, Dalton, Mass. *78

2255. LETTER BOXES.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.

2256. LETTER OPENERS.
Celluloid Co., Newark, N. J. *252
Meriden Britannia Co., Meriden, Conn.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.

2257. LETTER SCALES & BALANCES.
Buffalo Scale Co., Buffalo, N. Y.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Forsyth Scale Co., Youngstown, O.
Greenough, Hopkins & Cushing, 168 Devonshire St., Boston, Mass.
Herman Kohlbusch, 59 Nassau St., New York.
Landers, Frary & Clark, New Britain, Conn.

2258. LIBRARY SUPPLIES.
Library Bureau, 146 Franklin St., Boston, Mass.

2259. LITHOGRAPHS.
Cosack & Co., Buffalo, N. Y.
Forbes Lith. Mfg. Co., 181 Devonshire St., Boston, Mass. *245
Hofstetter Bros., 719 Vine St., Philadelphia, Pa.
J. Ottmann Lithograph Co., 39 E. Houston St., New York.
Witteman Lithograph Co., 188 William St., New York.
Wolf & Co., 617 Arch St., Philadelphia, Pa.

A. CHROMOS.
L. Prang & Co., 286 Roxbury St., Boston, Mass.

2260. MAGIC KNIVES.
Eagle Pencil Co., 73 Franklin St., New York.

2261. MAILING BOARD.
Thompson & Norris Co., 10 Prince St., Brooklyn, N. Y.

2262. MAILING CASES.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
E. B. Estes & Sons, 254 Pearl St., New York.
Howe Pattern Mfg. Co., Detroit, Mich.
Ideal Mailing Case Co., 102 State St., Boston, Mass.
Maynard, Gough & Co., Worcester, Mass.

2263. MAILING TUBES.
Jas. Brown, Jr., Manayunk, Philadelphia, Pa.
John K. Darragh, Boonton, N. J.
A. G. Elliot & Co., 30 S. 6th St., Philadelphia, Pa.
T. P. Ford, 95 Liberty St., New York.
Haworth & Watson, Lowell, Mass.
Wm. J. McCausland, 227 Church St., Philadelphia, Pa.
E. P. Noll & Co., 17 N. 6th St., Philadelphia, Pa.
Unexcelled Paper Tube Co., 156 William St., New York.

A. MAILING TUBES, WOODEN.
U. S. Mailing Case Co., 89 State St., Boston, Mass.

2264. MANIFOLD COPYING APPARATUS.
Cyclostyle Co., 26 Vesey St., New York.
Felix F. Daus & Co., 698 Broadway, New York.
A. B. Dick Co., 154 Lake St., Chicago, Ill.
Rapid Duplicat. & Copying Mach. Co., 157 Broadway, New York.

A. AUTOCOPYISTS.
Ten Eyck & Parker, 66 Pine St., New York.

B. HEKTOGRAPHS.
Hektograph Mfg. Co., 84 Church St., New York.

C. MIMEOGRAPHS.
A. B. Dick Co., 154 Lake St., Chicago, Ill.
M. P. Mason, Carthage, N. Y.
Union School Furniture Co., Battle Creek, Mich.

2265. MANIFOLD SHIPPING BLANKS.
Barlow Bros., Grand Rapids, Mich.

2266. MAPS & CHARTS.

A. CHARTS.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
John Bliss & Co., 128 Front St., New York.
Milton Bradley Co., Springfield, Mass.
G. W. & C. B. Colton & Co., 312 Broadway, New York.
E. P. Noll & Co., 17 N. 6th St., Philadelphia, Pa.

B. MAPS.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
E. C. Bridgman, 84 Warren St., New York.
O. D. Case & Co., Hartford, Conn.
G. W. & C. B. Colton & Co., 312 Broadway, New York.
Grand Rapids School Furn. Co., Grand Rapids, Mich.
Matthews, Northrup & Co., Buffalo, N. Y.
E. P. Noll & Co., 17 N. 6th St., Philadelphia, Pa.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.
Rand, McNally & Co., 168 Adams St., Chicago, Ill.
Sanborn-Perris Map Co., Ltd., 115 Broadway, New York.
J. L. Smith, 27 S. 6th St., Philadelphia, Pa.
Gaylord Watson, 278 Pearl St., New York.

C. MAP CASES.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.

G. W. & C. B. Colton & Co., 312 Broadway, New York.
D. MAPS, DISSECTED. Milton Bradley Co., Springfield, Mass.
E. RELIEF MAPS. G. W. & C. B. Colton & Co., 312 Broadway, New York.
Hermann Schedler, 96 Church St., New York.

2267. METAL BOOK MARKS. Jno. Robbins Mfg. Co., 142 Harrison Av., Boston, Mass.
Wallace & Sons Mfg. Co., Wallingford, Conn.

2268. METAL FILING BANDS. Cutter-Tower Co., 10 Federal St., Boston Mass.

2269. MOTTO PAPERS. F. M. Bower & Co., 165 Chambers St., New York.

2270. MOURNING PAPERS. Sheffield Mfg. Co., Saugerties, N. Y.

2271. MUCILAGE. A. S. Barnes & Co., 751 Broadway, New York.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Cincinnati Glue & Paste Co., 20 Home St., Cincinnati, O.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Thaddeus Davids Co., 127 William St., New York.
William A. Davis, 11 Eliot St., Boston, Mass.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Harrison Mfg. Co., Rahway, N. J.
Geo. Leis, Lawrence, Kan.
William Mann Co., 529 Market St., Philadelphia, Pa.
Geo. A. Moss, 165 Reade St., New York.
Nathan & Wight, 129 W. Broadway, New York.
Pomeroy Brothers, Newark, N. J.
Russia Cement Co., Gloucester, Mass.
S. S. Stafford, 603 Washington St., New York.
Tenexine Co., 52 Purchase St., Boston, Mass.
L. H. Thomas & Co., 25 Lake St., Chicago, Ill.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

A. MUCILAGE DISTRIBUTERS. Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Nassau Mfg. Co., 140 Nassau St., New York.
Nathan & Wight, 129 W. Broadway, New York.
S. S. Stafford, 603 Washington St., New York.

B. MUCILAGE STICKS. Koch, Sons & Co., 543 Pearl St., New York.

2272. MUSIC FOLIOS. Koch, Sons & Co., 543 Pearl St., New York.
Royal Case Co., 91 Bedford St., Boston, Mass.
Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.

2273. MUSIC PAPER. John Church Co., 74 W. 4th St., Cincinnati, O.
Oliver Ditson Co., 453 Washington St., Boston, Mass.
Wm. A. Pond & Co., 25 Union Square, New York.
G. Schirmer, 35 Union Square, New York.

2274. MUSIC ROLLS. Koch, Sons & Co., 543 Pearl St., New York.
Newark Decorative Leather Co., Newark, N. J.
Royal Case Co., 91 Bedford St., Boston, Mass.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.
Thorp & Adams Mfg. Co., 14 Milk St., Boston, Mass.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.

2275. NEWSPAPER CLASPS. American Pin Co., Waterbury, Conn.

2276. NUMERAL FRAMES. A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.

2277. OFFICE SPECIALTIES. A. B. Dick Co., 164 Lake St., Chicago, Ill.
Office Specialty Mfg. Co., Rochester, N. Y.

2278. PADS. American Pad & Paper Co., Holyoke, Mass.
J. C. Blair Co., Huntingdon, Pa.
Boorum & Pease, 30 Reade St., New York.
Koch, Sons & Co., 543 Pearl St., New York.
New York Blank Book Co., 29 Beekman St., New York.
Sheffield Mfg. Co., Saugerties, N. Y.

A. CALENDAR PADS. Cussons, May & Co., Glen Allen, Va.

B. DESK BLOTTING PADS. American Pad & Paper Co., Holyoke, Mass.
Boorum & Pease, 30 Reade St., New York.
Cussons, May & Co., Glen Allen, Va.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
William Mann Co., 529 Market St., Philadelphia, Pa.

2279. PAPER CUTTERS. Arlington Mfg. Co., 392 Broadway, New York.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Celluloid Co., Newark, N. J. *252
H. L. Judd & Co., 87 Chambers St., New York.

A. ROLL PAPER CUTTERS. American Roll Paper Co., 207 N. 2d St., St. Louis, Mo.
F. O. Sawyer Paper Co., 321 N. 3d St., St. Louis, Mo.

2280. PAPER NAPKINS. Cleveland Paper Co., Cleveland, O.
Crume & Sefton Mfg. Co., Dayton, O.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Geo. N. Seaman & Co., 31 John St., Boston, Mass.

2281. PAPER TWINE. Marietta Paper Mfg. Co., Marietta, Ga.

2282. PAPER WEIGHTS. Arlington Mfg. Co., 392 Broadway, New York.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Enterprise Mfg. Co., Akron, O.
H. L. Judd & Co., 87 Chambers St., New York.

Landers, Frary & Clark, New Britain, Conn.
Low Art Tile Co., Chelsea, Mass.
Meriden Britannia Co., Meriden, Conn.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.

2283. PAPETERIES.

Berlin & Jones Env. Co., 134 William St., New York.
Birnie Paper Co., Springfield, Mass.
J. C. Blair Co., Huntingdon, Pa.
Z. & W. M. Crane, Dalton, Mass. *78
Holyoke Envelope Co., Holyoke, Mass.
Hurlbut Paper Mfg. Co., S. Lee, Mass.
Morgan Envelope Co., Springfield, Mass. *79
National Papeterie Co., Springfield, Mass.
Sheffield Mfg. Co., Saugerties, N. Y.
Whiting Paper Co., Holyoke, Mass.

2284. PENS.

A. CROW QUILL PENS.

Esterbrook Steel Pen Co., Camden, N. J.

B. FOUNTAIN PENS.

Caw's Ink & Pen Co., 104 Broadway, New York.
Cross Per Co., 168 Devonshire St., Boston, Mass.
Leroy W. Fairchild & Co., 189 Broadway, New York.
John Foley, Jr , 2 Astor House, New York.
E. S. Johnson & Co., 26 Maiden Lane, New York.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
Asa L. Shipman's Sons, 10 Murray St., New York.
J. Ullrich & Co., 108 Liberty St., New York.
L. E. Waterman Co., 155 Broadway, New York.
P. E. Wirt, Bloomsburg, Pa.

C. GLASS PENS.

Cutter-Tower Co., 10 Federal St., Boston, Mass.

D. GOLD PENS.

Aiken, Lambert & Co., 19 Maiden Lane, New York.
Armeny & Marion, 90 Nassau St., New York.
C. P. Barnes & Bro., Louisville, Ky.
Caw's Ink & Pen Co., 104 Broadway, New York.
J. Crawford & Co., 10 John St., New York.
Eberhard Faber, 545 Pearl St., New York.
Leroy W. Fairchild & Co., 189 Broadway, New York.
Wm. S. Hick's Sons, 235 Greenwich St., New York.
A. M. Hill, New Orleans, La.
John Holland Gold Pen Co., 19 W. 4th St., Cincinnati, O.
James G. Irwin, Newark, N. J.
E. S. Johnson & Co., 26 Maiden Lane, New York.
Mabie, Todd & Bard, 198 Broadway, New York.
Jas. Morton, 25 Maiden Lane, New York.
Asa L. Shipman's Sons, 10 Murray St., New York.
Harvey Spencer, 13 Adams St., Brooklyn, N. Y.
Edward Todd & Co., 44 E. 14th St., New York.

E. QUILL PENS.

E. De Young, 224 Centre St., New York.

F. STEEL PENS.

American Book Co., 806 Broadway, New York.
Esterbrook Steel Pen Co., Camden, N. J.
Leon Isaacs & Co., 54 N. 5th St., Philadelphia, Pa.
Miller Bros. Cutlery Co., Meriden, Conn.
Spencerian Pen Co., 810 Broadway, New York.
Turner & Harrison, 1211 Spring Garden St., Philadelphia, Pa.

G. STYLOGRAPHIC PENS.

Caw's Ink & Pen Co., 104 Broadway, New York.
A. T. Cross, Providence, R. I.
Cross Pen Co., 168 Devonshire St., Boston, Mass.
John Foley, Jr., 2 Astor House, New York.
Greenough, Hopkins & Cushing, 168 Devonshire St., Boston, Mass.
Asa L. Shipman's Sons, 10 Murray St., New York.
J. Ullrich & Co., 108 Liberty St., New York.

2285. PEN CASES.

Aiken, Lambert & Co., 19 Maiden Lane, New York.
Leroy W. Fairchild & Co., 189 Broadway, New York.
John Holland Gold Pen Co., 19 W. 4th St., Cincinnati, O.
E. S. Johnson & Co., 26 Maiden Lane, New York.
John H. Knapp, 17 John St., New York.
Mabie, Todd & Bard, 198 Broadway, New York.
Edward Todd & Co., 44 E. 14th St., New York.

2286. PEN HOLDERS.

American Book Co., 806 Broadway, New York.
Clark's Indelible Pencil Co., Northampton, Mass.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Eagle Pencil Co., 73 Franklin St., New York.
Esterbrook Steel Pen Co., Camden, N. J.
Eberhard Faber, 545 Pearl St., New York.
Universal Rubber Co., 49 Rose St., New York.

A. CELLULOID PEN HOLDERS.

Arlington Mfg. Co., 392 Broadway, New York.
Celluloid Co., Newark, N. J. *252
Spencerian Pen Co., 810 Broadway. New York.

B. GOLD PEN HOLDERS.
Aiken, Lambert & Co., 19 Maiden Lane, New York.
Eberhard Faber, 545 Pearl St., New York.
Leroy W. Fairchild & Co., 189 Broadway, New York.
D. F. Foley & Co., 23 Maiden Lane, New York.
E. S. Johnson & Co., 26 Maiden Lane, New York.
F. T. Pearce & Co., Providence, R. I.
Edward Todd & Co., 44 E. 14th St., New York.

C. OBLIQUE PEN HOLDERS.
American Book Co., 806 Broadway, New York.

D. RUBBER PEN HOLDERS.
Akron Rubber Works, Akron, O.
Butler Hard Rubber Co., 33 Mercer St., New York.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Eberhard Faber, 545 Pearl St., New York.
Goodrich Hard Rubber Co., Akron, O.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
India Rubber Comb Co., 9 Mercer St., New York.

2287. PEN MOISTENERS.
J. B. Sword, 1520 Chestnut St., Philadelphia, Pa.

2288. PEN RACKS.
American Book Co., 806 Broadway, New York.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Landers, Frary & Clark, New Britain, Conn.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

2289. PENCILS.

A. AUTOMATIC PENCILS.
American Lead Pencil Co., 50 Howard St., New York.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.
John Holland Gold Pen Co., 19 W. 4th St., Cincinnati, O.

B. COPYING INK PENCILS.
Eagle Pencil Co., 73 Franklin St., New York.

C. GOLD PENCILS.
Aiken, Lambert & Co., 19 Maiden Lane, New York.
Leroy W. Fairchild & Co., 189 Broadway, New York.
D. F. Foley & Co., 23 Maiden Lane, New York.
John Foley, Jr., 2 Astor House, Broadway, New York.
E. S. Johnson & Co., 26 Maiden Lane, New York.

D. INDELIBLE PENCILS.
Clark's Indelible Pencil Co., Northampton, Mass.

E. LEAD PENCILS.
American Book Co., 806 Broadway, New York.
American Lead Pencil Co., 50 Howard St., New York.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.

F. LUMBER PENCILS.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.

G. SLATE PENCILS.
Eagle Pencil Co., 73 Franklin St., New York.
Munger & Son, East River, Conn.
Henry M. Smith, Acton, Mass.
D. M. Steward Mfg. Co., Chattanooga, Tenn.

2290. PENCIL CASES.
Wm. Appleton, Providence, R. I.
Eberhard Faber, 545 Pearl St., New York.
Leroy W. Fairchild & Co., 189 Broadway, New York.
John Foley, Jr., 2 Astor House, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
E. S. Johnson & Co., 26 Maiden Lane, New York.
John H. Knapp, 17 John St., New York.
H. M. Smith & Co., 83 Nassau St., New York.

2291. PENCIL COMPASSES.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.
Wm. Schollhorn & Co., New Haven, Conn.

2292. PENCIL HOLDERS.
E. F. Angell & Co., 18 W. Randolph St., Chicago, Ill.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Eberhard Faber, 545 Pearl St., New York.
Munger & Son, East River, Conn.

2293. PENCIL LEADS.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.

2294. PENCIL POINT PROTECTORS.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eberhard Faber, 545 Pearl St., New York.

2295. PENCIL SHARPENERS.
American Book Co., 806 Broadway, N. Y.
American Lead Pencil Co., 50 Howard St., New York.
Henry Bainbridge & Co., 99 William St., New York.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eberhard Faber, 545 Pearl St., New York.
Foster Mfg. Co., Stoneham, Mass.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.

Gould & Cook, Leominster, Mass.
W. H. Keyes, E. Princeton, Mass.
Star Mfg. Co., Lynn, Mass.

A. SLATE PENCIL SHARPENERS.
Chalfant Mfg. Co., Atglen, Pa.
Eberhard Faber, 545 Pearl St., New York.

2296. PHOTO-ENGRAVINGS.
American Photo-Engraving Co., 15 Vandewater St., New York.
Blomgren Bros. & Co., 175 Monroe St., Chicago, Ill.
Electro-Light Engraving Co., 159 William St., New York.
Gies & Co., Buffalo, N. Y.
Moss Engraving Co., 535 Pearl St., New York.
Photo-Electrotype Engraving Co., 9 Chambers St., New York.
F. A. Ringler Co., 21 Barclay St., New York. *255

2297. PHOTOGRAPHS.

A. CARBON PHOTOGRAPHS.
George C. Cox, 826 Broadway, New York.

B. LANDSCAPE PHOTOGRAPHS.
W. H. Jackson Photo & Publishing Co., Denver, Col.

C. PHOTOGRAPHIC REPRODUCTIONS.
Soule Photograph Co., 338 Washington St., Boston, Mass.
Charles Taber & Co., New Bedford, Mass.

D. PORTRAIT PHOTOGRAPHS.
Wm. Kurtz, 6 E. 23d St., New York.
Notman Photographic Co., 3 Park St., Boston, Mass.
Pach Bros., 935 Broadway, New York.
Napoleon Sarony, 37 Union Square, New York.

2298. PHOTOGRAVURES.
Boston Photogravure Co., 132 Boyleston St., Boston, Mass.
Heliotype Printing Co., 211 Tremont St., Boston, Mass.
Charles Taber & Co., New Bedford, Mass.

2299. PICTURE MATS.
W. W. Abbott, 182 Wabash Av., Chicago, Ill.
Mueller Bros., 178 Wabash Av., Chicago, Ill.

2300. PICTURES, RELIEF.
Charles Beck Paper Co., Ltd., 609 Chestnut St., Philadelphia, Pa.

2301. PIN CUPS.
E. B. Estes & Sons, 254 Pearl St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

2302. PORTFOLIOS.
Boorum & Pease, 30 Reade St., New York.
National Blank Book Co., Holyoke, Mass.
J. F. Tannatt, Springfield, Mass.

2303. POSTAGE STAMP BOXES.
Chas. J. Hauck & Son, 38 Stagg St., Brooklyn, N. Y.
Meriden Britannia Co., Meriden, Conn.
Wallace & Sons Mfg. Co., Wallingford, Conn.

2304. POSTAGE STAMP HOLDERS.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

2305. POUNCE.
Thaddeus Davids Co., 127 William St., New York.
Hotopp & Co., 467 Canal St., New York.

2306. PUBLICATIONS.

A. ARCHITECTURAL PUBLICATIONS.
Ticknor & Co., 211 Tremont St., Boston, Mass.

B. ART PUBLICATIONS.
D. Appleton & Co., 3 Bond St., New York.
Estes & Lauriat, 301 Washington St., Boston, Mass.
Chas. Scribner's Sons, 743 Broadway, New York.
Ticknor & Co., 211 Tremont St., Boston, Mass.

C. ATLASES.
G. W. & C. B. Colton & Co., 312 Broadway, New York.
Goldthwaite's Geographical Exchange, 113 Nassau St., New York.
Rand-McNally Co., 168 Adams St., Chicago, Ill.

D. BELLES LETTRES.
D. Appleton & Co., 3 Bond St., New York.
Thos. Y. Crowell, 100 Purchase St., Boston, Mass.
Geo. W. Dillingham, 33 W. 23d St., New York.
Dodd, Mead & Co., 753 Broadway, New York.
E. P. Dutton & Co., 31 W. 23d St., New York.
Estes & Lauriat, 301 Washington St., Boston, Mass.
Wm. S. Gottsberger & Co., 11 Murray St., New York.
Harper & Bros., 331 Pearl St., New York.
Henry Holt & Co., 29 W. 23d St., New York.
Houghton, Mifflin & Co., 4 Park St., Boston, Mass.
Lee & Shepard, 10 Milk St., Boston, Mass.
J. B. Lippincott Co., 715 Market St., Philadelphia, Pa.
A. C. McClurg & Co., 117 Wabash Av., Chicago, Ill.
Payot, Upham & Co., San Francisco, Cal.
Porter & Coates, 900 Chestnut St., Philadelphia, Pa.
G. P. Putnam's Sons, 27 W. 23d St., New York.
Roberts Bros., 3 Somerset St., Boston, Mass.
Chas. Scribner's Sons, 743 Broadway, New York.
Ticknor & Co., 211 Tremont St., Boston, Mass.
Worthington Co., 747 Broadway, New York.

E. CHILDREN'S BOOKS.
McLoughlin Bros., 623 Broadway, New York.

F. CYCLOPAEDIAS.
D. Appleton & Co., 3 Bond St., New York.
Dodd, Mead & Co., 753 Broadway, New York.
A. J. Johnson & Co., 11 Great Jones St., New York.

	Chas. Scribner's Sons, 743 Broadway, New York.
	Seeger & Guernsey Co., 7 Bowling Green, New York.
G. DICTIONARIES.	D. Appleton & Co., 3 Bond St., New York.
	Century Co., 33 E. 17th St., New York.
	Harper & Bros., 331 Pearl St., New York.
	J. B. Lippincott Co., 715 Market St., Philadelphia, Pa.
	G. & C. Merriam & Co., Springfield, Mass. *85
H. GENEALOGICAL RECORD BOOKS.	A. C. Wendell, Minneapolis, Minn.
I. LEGAL PUBLICATIONS.	Baker, Voorhis & Co., 66 Nassau St., New York.
	Banks & Bros., Albany, N. Y.
	Robert Clarke & Co., 61 W. 4th St., Cincinnati, O.
	Law Publishing Co., 78 5th Av., Chicago, Ill.
	Little, Brown & Co., 254 Washington St., Boston, Mass.
J. MAGAZINES.	Century Co., 33 E. 17th St., New York.
	Cosmopolitan Co., Ltd., 32 Vesey St., New York.
	Forum Publishing Co., 31 E. 17th St., New York.
	Harper & Bros., 331 Pearl St., New York.
	Houghton, Mifflin & Co., 4 Park St., Boston, Mass.
	J. B. Lippincott Co., 715 Market St., Philadelphia, Pa.
	North American Publishing Co., 3 E. 14th St., New York.
	Outing Co., Ltd., 239 5th Av., New York.
	Chas. Scribner's Sons, 743 Broadway, New York.
	Ticknor & Co., 211 Tremont St., Boston, Mass.
K. MEDICAL PUBLICATIONS.	D. Appleton & Co., 3 Bond St., New York.
	Harper & Bros., 331 Pearl St., New York.
	Houghton, Mifflin & Co., 4 Park St., Boston, Mass.
	Lea Bros. & Co., 706 Sansom St., Philadelphia, Pa.
	Wm. Wood & Co., 56 Lafayette Place, New York.
L. MUSICAL PUBLICATIONS.	John Church Co., 74 W. 4th St., Cincinnati, O.
	Oliver Ditson Co., 453 Washington St., New York.
	John F. Ellis & Co., 937 Pennsylvania Av., Washington, D. C.
	Lyon & Healy, 156 State St., Chicago, Ill.
	Wm. A. Pond & Co., 25 Union Square, New York.
	G. Schirmer, 35 Union Square, New York.
M. RELIGIOUS PUBLICATIONS.	American Baptist Pub. Soc., 256 Washington St., Boston, Mass.
	American Bible Society, 4 Bible House, New York.
	Robert Carter & Bro., 530 Broadway, New York.
	Christian Union Co., 15 Astor Place, New York.
	A. J. Holmes & Co., 1220 Arch St., Philadelphia, Pa.
	Thomas Kelly, 358 Broome St., New York.
	Methodist Book Concern, 150 5th Av., New York.
	John E. Potter & Co., 35 N. 10th St , Philadelphia, Pa.
N. SCHOOL PUBLICATIONS.	D. Appleton & Co., 3 Bond St., New York.
	American Book Co., 806 Broadway, New York.
	A. S. Barnes & Co., 751 Broadway, New York.
	E. P. Dutton & Co., 31 W. 23d St., New York.
	Ginn & Co., 7 Tremont Place, Boston, Mass.
	Harper & Bros., 331 Pearl St., New York.
	A. C. McClurg & Co., 117 Wabash Av., Chicago, Ill.
	G. P. Putnam's Sons, 27 W. 23d St., New York.
	Sheldon & Co., 724 Broadway, New York.
O. SCIENTIFIC PUBLICATIONS.	Harper & Bros., 331 Pearl St., New York.
	Norman W. Henley & Co., 150 Nassau St., New York.
	Munn & Co., 361 Broadway, New York.
	Chas. Scribner's Sons, 743 Broadway, New York.
	Ticknor & Co., 211 Tremont St., Boston, Mass.
	D. Van Nostrand & Co., 23 Murray St., New York.
P. TECHNICAL PUBLICATIONS.	D. Appleton & Co., 3 Bond St., New York.
	Henry Carey Baird & Co., 810 Walnut St., Philadelphia, Pa.
	Excelsior Publishing House, 29 Beekman St., New York.
	Norman W. Henley & Co., 150 Nassau St., New York.
	Houghton, Mifflin & Co., 11 E. 17th St., New York.
	Munn & Co., 361 Broadway, New York.
	N. Ponce de Leon, 40 Broadway, New York.
	Chas. Scribner's Sons, 743 Broadway, New York.
	E. & F. N. Spon, 12 Cortlandt St., New York.
	Ticknor & Co., 211 Tremont St., Boston, Mass.
	D. Van Nostrand & Co., 23 Murray St., New York.

2307. PUBLICATIONS, COMMERCIAL.

	Bradstreet Co., 279 Broadway, New York.
	R. G. Dun & Co., 314 Broadway, New York.
	Seeger & Guernsey Co., 7 Bowling Green, New York.
A. CARPETS & UPHOLSTERY.	American Carpet & Upholstery Trade, 1001 Chestnut St., Phila, Pa.
B. DRUGS.	Advertiser Publishing Co., 68 Duane St., New York.
C. FURNITURE.	Bureau of Furniture Statistics, 43 Van Buren St., Chicago, Ill.

D. HARDWARE. John W. Ealy Co., 278 Broadway, New York.
E. HATS, CAPS & FURS. Fur Trade Review, 695 Broadway, New York.
F. IRON & STEEL. American Iron & Steel Association, 261 S. 4th St., Chicago, Ill.
G. JEWELRY. Jewelers' Mercantile Agency, Ltd., 214 Broadway, New York.
H. LUMBER. W. B. Judson, 325 Dearborn St., Chicago, Ill.
I. SHIPPING. American Shipmasters' Association, 37 William St., New York.
J. SHOES & LEATHER. H. Van Court & Co., 335 Broadway, New York.
K. STATIONERS & BOOK-SELLERS. M. Shirley Geyer, 63 Duane St., New York.
Industrial Information Co., 88 Centre St., New York.
L. TEXTILE. H. H. Babcock, 320 Broadway, N. Y.

2308. PYRAMID PINS. New England Pin Co., Winsted, Conn.

2309. RESTS, STATIONERS'.

A. ARM RESTS. Globe Co., cor. 2d & John Sts., Cincinnati, O.
S. Kirk & Sons, Baltimore, Md.

B. BOOK RESTS. J. E. Bolles & Co., Detroit, Mich.
R. M. Lambie, 39 E. 19th St., New York.
W. T. Mersereau & Co., Newark, N. J.
Sargent Mfg. Co., Muskegon, Mich.

2310. RUBBER BANDS. Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Eberhard Faber, 545 Pearl St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
India Rubber Comb Co., 9 Mercer St., New York.
Parker, Stearns & Sutton, 229 South St., New York.
Tyer Rubber Co., Andover, Mass.

2311. RUBBER ERASERS. Akron Rubber Works, Akron, O.
American Book Co., 806 Broadway, New York.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Jos. Dixon Crucible Co., Jersey City, N. J.
Eagle Pencil Co., 73 Franklin St., New York.
Eberhard Faber, 545 Pearl St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Monroe Eraser Co., La Crosse, Wis.

A. PENCIL TIPS. Parker, Stearns & Sutton, 229 South St., New York.

2312. RUBBER GOODS, STATIONERS'.
Akron Rubber Works, Akron, O.
C. J. Bailey & Co., 22 Boylston St., Boston, Mass.
Butler Hard Rubber Co., 33 Mercer St., New York.
Davol Rubber Co., Providence, R. I.
Eberhard Faber, 545 Pearl St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Parker, Stearns & Sutton, 229 South St., New York.

2313. RUBBER RINGS. Goodyear Rubber Co., 487 Broadway, New York.

2314. RULERS, DESK. Akron Rubber Works, Akron, O.
American Book Co., 806 Broadway, New York.
Belcher Bros. & Co., Newark, N. J.
Cussons, May & Co., Glen Allen, Va.
Eberhard Faber, 545 Pearl St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Stephens & Co., Riverton, Conn.
Westcott Bros., Seneca Falls, N. Y.

2315. SAMPLE PACKAGES. Howe Pattern Mfg. Co., Detroit, Mich.

2316. SCHOOL SUPPLIES. A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Milton Bradley Co., Springfield, Mass.
O. D. Case & Co., Hartford, Conn.
Sidney School Furniture Co., Sidney, O. *5

2317. SEALS. American Pin Co., Waterbury, Conn.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
A. Lewis Edgarton, 199 Clark St., Chicago, Ill.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Edmund D. Lathrop, Newark, N. J.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Arthur Stafford, 35 Beekman St., New York.
Nelson Stafford, 66 Fulton St., New York.

A. NOTARIAL SEALS. Thaddeus Davids Co., 127 William St., New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
A. Lewis Edgarton, 199 Clark St., Chicago, Ill.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Edmund D. Lathrop, Newark, N. J.
New York Stencil Works, 100 Nassau St., New York.

Arthur Stafford, 35 Beekman St., New York.
Nelson Stafford, 66 Fulton St., New York.

2318. SEAL PRESSES.
W. Barnard & Co., 314 Olive St., St. Louis, Mo.
Diamond Sewing Machine Co., 364 Wabash Av., Chicago, Ill.
Sigwalt Mfg. Co., 15 S. Canal St., Chicago, Ill.
R. H. Smith Mfg. Co., Springfield, Mass. *85

2319. SEALING WAX.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74
M. C. Brown, Holyoke, Mass.
Chamberlin & Johnson, Allegheny, Pa.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Thaddeus Davids Co., 127 William St., New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
England Bros., Zanesville, Pa.
Fairfield Chemical Works, 71 Wall St., New York.
Harrison Mfg. Co., Rahway, N. J.
Edmund D. Lathrop, Newark, N. J.
Marx & Rawolle, 163 William St., New York.
Pomeroy Bros., Newark, N. J.
Sanford Mfg. Co., 219 Fulton St., Chicago, Ill.
Stevenson, Bro. & Co., 132 S. 2d St., Philadelphia, Pa.
Geo. H. Wood & Co., 436 Atlantic Av., Boston, Mass.
Wm. Zinsser & Co., 197 William St., New York.

2320. SLATES.

A. LOG SLATES.
D. C. Pratt, 34 Dey St., New York.

B. NOISELESS SLATES.
Thomas Kane & Co., 137 Wabash Av., Chicago, Ill.
D. C. Pratt, 34 Dey St., New York.

C. SCHOOL SLATES.
Blue Vein Slate Co., Slatington, Pa.
John Gardner, Portland, Pa.
Hyatt School Slate Co., Bethlehem, Pa.
A. W. Lerch, Cherryville, Pa.
John W. Sayre & Son, Bangor, Pa.
Wise Bros., Portland, Pa.

D. PAPER SLATES.
Munger & Son, East River, Conn.

E. SILICATE BOOK SLATES.
New York Silicate Book Slate Co., 35 Vesey St., New York.

2321. SPONGE CUPS.
H. L. Judd & Co., 87 Chambers St., New York.
Low Art Tile Co., Chelsea, Mass.
Rochester Tumbler Co., Pittsburgh, Pa.

2322. SPRING BLOTTERS.
Cutter-Tower Co., 10 Federal St., Boston, Mass.

2323. SPRING BOOK HOLDERS.
Baker & Vawter Co., 1102 Marianna St., Chicago, Ill.

2324. STAMPS.

A. DATING STAMPS.
Accurate Time Stamp Co., 675 Hudson St., New York.
American Railway Supply Co., 24 Park Place, New York.
W. Barnard & Co., 314 Olive St., St. Louis, Mo.
A. W. Bishop, Berea, O.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Lang Mfg. Co., Albany, N. Y.
Morgan, Crossman & Co., Springfield, Mass.
New York Stencil Works, 100 Nassau St., New York.
W. B. Pershing & Co., South Bend, Ind.
J. H. Power & Co., 64 High St., Boston, Mass.
R. H. Smith Mfg. Co., Springfield, Mass. *85

B. HAND STAMPS.
Wm. T. Cressler, 6th & Walnut Sts., Cincinnati, O.
Wm. A. Force & Co., 60 Beekman St., New York.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Lang Mfg. Co., Albany, N. Y.
Edmund D. Lathrop, Newark, N. J.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Arthur Stafford, 35 Beekman St., New York.
Stewart & Co., 201 Broadway, New York.

C. METAL BODIED RUBBER TYPE.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Stewart & Co., 201 Broadway, New York.

D. NUMBERING STAMPS.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

E. PENCIL STAMPS.
Lang Mfg. Co., Albany, N. Y.
New York Stencil Works, 100 Nassau St., New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.
R. H. Smith Mfg. Co., Springfield, Mass. *85

F. PERFORATING STAMPS.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85
R. Woodman, 169 High St., Boston, Mass.

G. POCKET STAMPS.
Lang Mfg. Co., Albany, N. Y.

New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

H. POST OFFICE STAMPS.
Detroit Rubber Stamp Co., Detroit, Mich.
Lang Mfg. Co., Albany, N. Y.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

I. RAILROAD STAMPS.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Lang Mfg. Co., Albany, N. Y.
Michigan Printing Stamp Co., Detroit, Mich.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

J. RIBBON STAMPS.
Detroit Rubber Stamp Co., Detroit, Mich.
Hoggson & Pettis Mfg. Co , New Haven, Conn.
Lang Mfg. Co., Albany, N. Y.
Edmund D. Lathrop, Newark, N. J.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Stewart & Co., 201 Broadway, New York.

K. RUBBER STAMPS.
W. Barnard & Co., 314 Olive St., St. Louis, Mo.
Geo. P. Blakely, Bradford, Pa.
Wm. T. Cressler, 6th & Walnut Sts., Cincinnati, O.
Detroit Rubber Stamp Co., Detroit, Mich.
J. F. W. Dorman, Baltimore, Md.
Dubuque Rubber Stamp Co., Des Moines, Iowa.
Everson & Reed, 241 Broadway, New York.
Wm. A. Force & Co., 60 Beekman St., New York.
Heideman Mfg. Co., San Antonio, Tex.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Lang Mfg. Co., Albany, N. Y.
Edmund D. Lathrop, Newark, N. J.
Massman & Vollmer, Davenport, Iowa.
New York Stencil Works, 100 Nassau St., New York.
Novelty Mfg. Co., Denver, Col.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Arthur Stafford, 35 Beekman St., New York.
N. Stafford, 66 Fulton St., New York.
Stewart & Co., 201 Broadway, New York.

L. SELF-INKING STAMPS.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
New York Stencil Works, 100 Nassau St., New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.
R. H. Smith Mfg. Co., Springfield, Mass. *85

M. STAMP PADS.
Wm. T. Cressler, 6th & Walnut Sts., Cincinnati, O.
B. B. Hill Mfg. Co., 1020 New Market St., Philadelphia, Pa.
J. B. Laughton, 52 Dey St., New York.
New York Stencil Works, 100 Nassau St., New York.
H. L. Rice, Portville, N. Y.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Arthur Stafford, 35 Beekman St., New York.
N. Stafford, 66 Fulton St., New York.

N. STAMP RIBBONS.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

O. TIME STAMPS.
Accurate Time Stamp Co., 675 Hudson St., New York.

2325. STATIONERS' BRASS GOODS.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
H. L. Judd & Co., 87 Chambers St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.

2326. STATIONERS' HARDWARE.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Landers, Frary & Clark, New Britain, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.

2327. STATIONERS' NOVELTIES.
Buffalo Scale Co., Buffalo, N. Y.
Eagle Pencil Co., 73 Franklin St., New York.
Geo. Eakins & Son, 616 Chestnut St., Philadelphia, Pa.
Eberhard Faber, 545 Pearl St., New York.
Globe Co., 86 Warren St., New York.
Low Art Tile Co., Chelsea, Mass.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.
R. H. Smith Mfg. Co., Springfield, Mass. *85

2328. STATIONERS' SPECIALTIES.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Globe Co., 86 Warren St., New York.
Geo. B. Hurd & Co., 79 Beekman St., New York.

Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

2329. STATIONERS' SUPPLIES

Acme Stationery & Paper Co., 59 Duane St., New York.
Barnum & Co., 120 William St., New York.
J. C. Blair Co., Huntingdon, Pa.
Cooke & Cobb Co., 147 Chambers St., New York.
Cutter-Tower Co., 10 Federal St., Boston, Mass.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Eberhard Faber, 545 Pearl St., New York.
Globe Co., 86 Warren St., New York.
Philip Hake, 155 William St., New York.
Koch, Sons & Co., 543 Pearl St., New York.
M. Ohmer's Sons, Dayton, O
Plimpton Mfg. Co., Hartford, Conn.
Robinson Engraving Co., 32 Hawley St., Boston, Mass.
Asa L. Shipman's Sons, 10 Murray St., New York.
Walker, Young & Co., 138 Congress St., Boston, Mass.

2330. STEEL ENGRAVINGS. John A. Lowell & Co., 147 Franklin St., Boston, Mass.
Wm. Pate & Co., 146 William St., New York.

2331. SUSPENSION RINGS. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

2332. TAGS.

A. FIRE ALARM BOX TAGS. Am. Railway Supply Co., 24 Park Place, New York.

B. HOOK TAGS. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Fay Tag Co., 18 Chambers St., New York.
Philadelphia Tag Co., 727 Filbert St., Philadelphia, Pa.

C. KEY TAGS. Am. Railway Supply Co., 24 Park Place, New York.

D. SHIPPING TAGS. American Mfg. Co., Battle Creek, Mich.
Burr Index Co., Hartford, Conn. *103
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Howe Pattern Mfg. Co., Detroit, Mich.
W. E. & E. D. Lockwood, 215 S. 3d St., Philadelphia, Pa.
New York Tag & Label Mfg. Co., 431 Broome St., New York.
Peck, Stow & Wilcox Co., Southington, Conn.
W. B. Pershing & Co., South Bend, Ind.
Sackett Wire Tag Co., Garden Prairie, Ill.
Salisbury Mfg. Co., Providence, R. I.
E.J. Spangler & Co., 507 Minor St., Philadelphia, Pa.

2333. TELLURIANS. A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
Andrews Mfg. Co., 74 5th Av., New York.
Herman Schedler, 96 Church St., New York.

2334. THUMB TACKS. American Book Co., 806 Broadway, New York.
Eberhard Faber, 545 Pearl St., New York.
York Tack & Nail Works, York, Pa.

2335. TICKETS.

A. DUPLICATE COUPON TICKETS. Cussons, May & Co., Glen Allen, Va.
Rand-Avery Supply Co., 117 Franklin St., Boston, Mass.

B. PIN TICKETS. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Forbes Lith. Mfg. Co., 181 Devonshire St., Boston, Mass. *245
H. G. Thompson & Sons, New Haven, Conn.

C. PRICE TICKETS. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

2336. TYPEWRITER RIBBONS.

John Underwood & Co., 30 Vesey St., New York.

2337. VALENTINES. McLaughlin Bros., 623 Broadway, New York.
L. Prang & Co., 286 Roxbury St., Boston, Mass.
Geo. C. Whitney, Worcester, Mass.

2338. WAFERS. Thaddeus Davids Co., 127 William St., New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Marx & Rawolle, 163 William St., New York.
Wm. Zinsser & Co., 197 William St., New York.

2339. WRAPPERS, BOTTLE. Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
Thompson & Norris Co., 10 Prince St., Brooklyn, N. Y.
Wittemann Bros., 188 William St., New York.

2340. WRAPPING PAPER PADS.

N. V. Randolph & Co., Richmond, Va.

2341. WRITING CASES. Langfeld Bros. & Co., 723 Arch St., Philadelphia, Pa.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.

2342. WRITING TABLETS. American Pad & Paper Co., Holyoke, Mass.
Birnie Paper Co., Springfield, Mass.
J. C. Blair Co., Huntington, Pa.
Boorum & Pease, 30 Reade St., New York.
Holyoke Envelope Co., Holyoke, Mass.
Hurlbut Paper Mfg. Co., S. Lee, Mass.
John Mehl & Co., Jersey City, N. J.
Morgan Envelope Co., Springfield, Mass. *79
Plimpton Mfg. Co., Hartford, Conn.

Reynolds & Reynolds Co., Dayton, O.
Sheffield Mfg. Co., Saugerties, N. Y.
W. W. White Co., Dayton, O. *86

2343. ZINC ETCHINGS. Blomgren Bros. & Co., 175 Monroe St., Chicago, Ill.
Gill Engraving Co., 39 Park Place, New York.
F. A. Ringler Co., 21 Barclay St., New York. *255
Stevens & Morris, 20 College Place, New York.

XXXVII. SURGICAL APPLIANCES AND SUPPLIES.

2344. ABDOMINAL BELTS. Dibble & Warner, Easthampton, Mass.
Empire Mfg. Co., Lockport, N. Y.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
V. Perry & Co., Germantown, Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.

2345. ABDOMINAL SUPPORTERS.
Empire Mfg. Co., Lockport, N. Y.
H. G. Farr & Co., 75 Essex St., Boston, Mass.
Ferris Bros., 341 Broadway, New York.
G. W. Flavell & Bro., 248 N. 8th St., Philadelphia, Pa.
George Frost & Co., 31 Bedford St., Boston, Mass.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
John Reynders & Co., 303 4th Av., New York.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.
Vincent, Perry & Co., Germantown, Philadelphia, Pa.
Werum Bros., Toledo, O.
Wilsonia Magnetic Clothing Co., 821 Broadway, New York.

2346. AMBULANCE COTS. John F. McHugh, 1263 Broadway, New York.

2347. ARTIFICIAL EAR DRUMS.
Freeman Hiscox, 853 Broadway, New York.
H. A. Wales, Bridgeport, Conn.

2348. ARTIFICIAL EYES. Jas. T. Davies, 127 E. 15th St., New York.
Demuth Bros., 89 Walker St., New York.
E. S. & W. S. Fowler, 38 Madison St., Chicago, Ill.
Gougelmann & Co., 117 E. 12th St., New York.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.

2349. ARTIFICIAL LIMBS. J. Condell & Son, 822 Broadway, New York.
D. De Forest Douglass, Springfield. Mass.
C. A. Frees, 781 Broadway, New York.
Geo. R. Fuller, Rochester, N. Y.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
D. P. Kane, 205 N. 4th St., St. Louis, Mo.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
A. A. Marks, 701 Broadway, New York.
Sharp & Smith, 73 Randolph St., Chicago, Ill.
Wm. T. Simpson, 14 Congress St., Detroit, Mich.
Smith Mfg. Co., Topeka, Kan.
Chas. Truax, Green & Co., 75 Wabash Av., Chicago, Ill.

A. ARTIFICIAL LIMBS, RUBBER. Geo. R. Fuller, Rochester, N. Y.
A. A. Marks, 701 Broadway, New York.

B. ARTIFICIAL LIMB SOCKS. J. Condell & Son, 822 Broadway, New York.
George R. Fuller, Rochester, N. Y.
A. A. Marks, 701 Broadway, New York.

2350. ARTIFICIAL NOSES. J. Condell & Son, 822 Broadway, New York.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.

2351. ATOMIZERS, MEDICAL. H. Weinhagen, 24 N. William St., New York.

A. OINTMENT ATOMIZERS. Leach & Greene, 165 Tremont St., Boston, Mass.

2352. BANDAGES, SURGICAL.
Akron Rubber Works, Akron, O.
Empire Mfg. Co., Lockport, N. Y.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

Grosvenor & Richards, 100 Fulton St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
John Reynders & Co., 303 4th Av., New York.
Seabury & Johnson, 21 Platt St., New York.
Seamless Rubber Co., New Haven, Conn.

A. ELASTIC BANDAGES.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Dibble & Warner, Easthampton, Mass.
W. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
Tyer Rubber Co., Andover, Mass.

B. GUM BANDAGES.
Akron Rubber Works, Akron, O.

2353. BELTS.

A. ELASTIC BELTS.
Goodyear Rubber Co., 487 Broadway, New York.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.
Tyer Rubber Co., Andover, Mass.

B. ELECTRIC BELTS.
W. J. Horne, 180 Wabash Av., Chicago, Ill.
Pulvermacher Galvanic Co., 171 Sycamore St., Cincinnati, O.
Geo. A. Scott, 842 Broadway, New York.
Wilsonia Magnetic Appliance Co., 821 Broadway, New York.

2354. BREAST PUMPS.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
H. H. Hayes, 1666 3d Av., New York.
Tyer Rubber Co., Andover, Mass.

A. BREAST PUMP BULBS.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Parker, Stearns & Sutton, 229 South St., New York.

2355. CASES.

A. CAUSTIC CASES.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

B. MEDICINE CASES.
A. A. Gilbert, 116 S. 8th St., Philadelphia, Pa.
Shepard & Dudley, 150 William St., New York.
H. Weinhagen, 24 N. William St., New York.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.

C. VIAL CASES.
John Barnett, 832 Broadway, New York.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.

2356. CHEST PROTECTORS.
T. W. Heinemann Co., 34 W. Monroe St., Chicago, Ill.
Hill Brush Co., Reading, Mass.
Wilsonia Magnetic Clothing Co., 821 Broadway, New York.

2357. CLINICAL THERMOMETERS.
John Barry, 62 Fulton St., New York.
Bayer & Fletcher, 66 Beekman St., New York.
Hausmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Chas. J. Tagliabue, 53 Fulton St., New York.
Guiseppe Tagliabue, 302 Pearl St., New York.
George Tiemann & Co , 107 Park Row, New York.
H. Weinhagen, 24 N. William St., New York.
A. Weiskopf, 111 5th Av., Chicago, Ill.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.

A. CLINICAL THERMOMETER CASES.
Hausmann, McComb & Dunn, 122 Randolph St., Chicago, Iil.
Universal Rubber Co. of New York, Hoboken, N. J.

2358. CRUTCHES.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
C. A. Frees, 781 Broadway, New York.
George R. Fuller, Rochester, N. Y.
Gifford Mfg. Co., Watertown, N. Y.
Wm. H. Horn & Bro,, 451 N. 3d St., Philadelphia, Pa.
A. A. Marks, 701 Broadway, New York.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
Pomeroy Truss Co., 785 Broadway, New York.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.
C. L. Tate, 112 Randolph St., Chicago, Ill.

2359. DEFORMITY APPLIANCES.
A. S. Aloe & Co., 415 N. Broadway, St. Louis, Mo.
Wm. H. Armstrong & Co., Indianapolis, Ind.
C. A. Frees, 281 Broadway, New York.
George R. Fuller, Rochester, N. Y.
A. M. Leslie Surg. Instrument Co., 915 Olive St., St. Louis, Mo.
A. A. Marks, 701 Broadway, New York.
Sharp & Smith, 73 Randolph St., Chicago, Ill.
Shepard & Dudley, 150 William St., New York.
Wm. T. Simpson, 14 Congress St., Detroit, Mich.

A. DEFORMITY APPLIANCE BUCKLES.
American Buckle & Cartridge Co., West Haven, Mass.
A. A. Marks, 701 Broadway, New York.

B. DEFORMITY APPLIANCE WEBBING.
A. A. Marks, 701 Broadway, New York.

2360. DENTAL SUPPLIES.

Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Chicago Dental Mfg. Co., 90 State St., Chicago, Ill.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
H. D. Justi, 1301 Arch St., Philadelphia, Pa.
Hiram M. Raynor, 25 Bond St., New York.
Gideon Sibley, 1214 Filbert St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
R. S. Williams, 115 W. 42d St., New York.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

A. ARTIFICIAL TEETH.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
Gideon Sibley, 1214 Filbert St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

B. DENTAL BRACKETS.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
R. S. Redman, Newark, N. J.

C. DENTAL DAMS.
Davol Rubber Co., Providence, R. I.
Johnson & Lund, 620 Race St., Philadelphia, Pa.

D. DENTAL FILLING.
Bishop Gutta Percha Co., 422 E. 25th St., New York.
Eugene Doherty, 110 Kent Av., Brooklyn, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

E. DENTAL GUM.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Combination Roll & Rubber Co., 38 Park Row, New York.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Parker, Stearns & Sutton, 229 South St., New York.

F. DENTAL PLASTER.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

G. DENTAL TUBING.
American Tubing & Webbing Co., Providence R. I.

H. GOLD FOIL.
J. H. Ashmead & Son, Hartford, Conn.
J. J. Crooke Co., 186 Grand St., New York.
Hastings & Co., 821 Filbert St., Philadelphia, Pa.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

I. GOLD PLATE.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

J. NITROUS OXIDE GAS.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

2361. DENTAL TOOLS.

A. AUTOMATIC PLUGGERS.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

B. DENTAL CORD.
Canton Surgical & Dental Chair Co., Canton, O. *2

C. DENTAL ELECTRICAL APPARATUS.
E. S. Greeley & Co., 5 Dey St., New York.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

D. DENTAL ENGINES.
Canton Surgical & Dental Chair Co., Canton, O. *2
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 143 Filbert St., Philadelphia, Pa.

E. DENTAL FLASKS.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
Gideon Sibley, 1214 Filbert St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 143 Filbert St., Philadelphia, Pa.

F. DENTAL ENGINES, CABLE.
Canton Surgical & Dental Chair Co., Canton, O. *2

G. DENTAL INSTRUMENTS.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
F. W. Gesswein, 39 John St., New York.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
F. G. Otto & Sons, 146 Duane St., New York.
John Reynders & Co., 303 4th Av., New York.
Sharp & Smith, 73 Randolph St., Chicago, Ill.
Shepard & Dudley, 150 William St., New York.
Gideon Sibley, 1214 Filbert St., Philadelphia, Pa.
Geo. Tiemann & Co., 107 Park Row, New York.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

H. DENTAL LATHES.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa

I. DENTAL MIRRORS.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

J. DENTAL SNIPS.
Henry Seymour Cutlery Co., Holyoke, Mass. *32

K. DENTAL SYRINGES.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

L. DENTAL WHEELS & POINTS.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
Norton Emery Wheel Co., Worcester, Mass. *162
Waltham Emery Wheel Co., Waltham, Mass.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilmington Dental Mfg. Co., 1413 Filbert St., Philadelphia, Pa.

M. DUPLEX DENTAL ENGINES.
Canton Surgical & Dental Chair Co., Canton, O. *2

N. FOUNTAIN SPITTOONS.
Canton Surgical & Dental Chair Co., Canton, O. *2

O. NEEDLE FOIL CARRIERS.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
Gideon Sibley, 1214 Filbert St., Philadelphia, Pa.

P. RUBBER DAM HOLDERS.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

Q. VETERINARY DENTAL FILES.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.

R. VULCANIZERS.
Buffalo Dental Supply & Mfg. Co., Buffalo, N. Y.
Johnson & Lund, 620 Race St., Philadelphia, Pa.
R. H. Smith Mfg. Co., Springfield, Mass. *85
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

2362. DRESSINGS, ANTISEPTIC.
Grosvenor & Richards, 100 Fulton St., New York.
T. W. Heinemann Co., 34 W. Monroe St., Chicago, Ill.
Johnson & Johnson, New Brunswick, N. J.
Pennsylvania Mfg. Co., 214 Dauphin St., Philadelphia, Pa.
Seabury & Johnson, 21 Platt St., New York.

A. ABSORBENT COTTON.
Frederick E. Clapp & Co., Dedham, Mass.
Dennison Mfg. Co., 26 Franklin St , Boston, Mass.
Grosvenor & Richards, 100 Fulton St., New York.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Johnson & Johnson, New Brunswick, N. J.
Seabury & Johnson, 21 Platt St., New York.
B. F. Smith, Weymouth, Mass.
J. Wyeth & Bro., 1100 S. 11th St., Philadelphia, Pa.

B. ANTISEPTIC GAUZE.
Grosvenor & Richards, 100 Fulton St., New York.
Johnson & Johnson, New Brunswick, N. J.

2363. EAR TRUMPETS.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Leach & Greene, 165 Tremont St., Boston, Mass.
Shepard & Dudley, 150 William St., New York.

A. ACOUSTIC CANES.
H. Walstein, 41 Union Square, New York.

2364. ELASTIC HOSIERY.
Wm. H. Armstrong & Co., Indianapolis, Ind.
Robert Baty, Milwaukee, Wis.
Common Sense Truss Co., 58 State St., Chicago, Ill.
G. W. Flavell & Bro., 248 N. 8th St., Philadelphia, Pa.
Goodyear Rubber Co., 487 Broadway, New York.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Hodgman Rubber Co., 459 Broadway, New York.
A. M. Leslie Surg. Instrument Co., 915 Olive St., St. Louis, Mo.
Vincent Perry & Co., Germantown, Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
Pomeroy Truss Co., 785 Broadway, New York.
John Reynders & Co., 303 4th Av., New York.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.
Sharp & Smith, 73 Randolph St., Chicago, Ill.
Chas. Truax, Green & Co., 75 Wabash Av., Chicago, Ill.

A. KNEE CAPS & ANKLETS.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.

2365. ELECTRO-MEDICAL & SURGICAL APPLIANCES.
Otto Fleming, 1009 Arch St., Philadelphia, Pa.
F. G. Otto & Sons, 146 Duane St., New York.
Seabury & Johnson, 21 Platt St., New York.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.
Wilsonia Magnetic Appliance Co., 82 Broadway, New York.

A. CAUTERY ECRASEURS & CANULAS.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
F. G. Otto & Sons, 146 Duane St., New York.

B. CAUTERY HANDLES & BURNERS.
F. G. Otto & Sons, 146 Duane St., New York.

C. MEDICAL ELECTRODES.
F. G. Otto & Sons, 146 Duane St., New York.

D. NASAL CAUTERY INSTRUMENTS.
Detroit Electrical Works, Detroit, Mich.

2366. EXTENSIONS, SHORTENED LIMB.
C. A. Frees, 766 Broadway, New York.

2367. GALVANIC BEDS. Palmer Galvanic Bed Co., Ltd., 231 E. 9th St., New York.

2368. INHALERS, POCKET. P. J. McElroy, E. Cambridge, Mass.
W. H. Smith & Co., Buffalo, N. Y.
Tyer Rubber Co., Andover, Mass.

2369. KIDNEY PROTECTORS.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.

2370. LARYNGOSCOPES, ELECTRIC.
S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.

2371. LUNG TESTING INSTRUMENTS.
McDonnell Odometer Co., 3501 Kedzie Av., Chicago, Ill.

2372. MAGNETIC GOODS.

A. MAGNETIC BANDS. Hill Brush Co., Reading, Mass.
Wilsonia Magnetic Clothing Co., 821 Broadway, New York.

B. MAGNETIC INSOLES. Wm. G. Leroy, 125 Clark St., Chicago, Ill.
George A. Scott, 842 Broadway, New York.
Wilsonia Magnetic Clothing Co., 821 Broadway, New York.

C. MAGNETIC PADS. Hill Brush Co., Reading, Mass.
Wilsonia Magnetic Clothing Co., 821 Broadway, New York.

D. MAGNETIC VESTS. Wilsonia Magnetic Clothing Co., 821 Broadway, New York.

2373. MEDICINE DROPPERS.
Akron Rubber Works, Akron, O.
P. J. McElroy, E. Cambridge, Mass.
Parker, Stearns & Sutton, 229 South St., New York.
Tyer Rubber Co., Andover, Mass.
Walter F. Ware, 300 Arch St., Philadelphia, Pa.

2374. OPHTHALMOSCOPES. E. S. & W. S. Fowler, 38 Madison St., Chicago, Ill.
Shepard & Dudley, 150 William St., New York.

2375. ORTHOPÆDICAL APPLIANCES.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
A. McDermott, New Orleans, La.
Shepard & Dudley, 150 William St., New York.

2376. ORTHOPÆDICAL INSTRUMENTS.
William Autenrieth, 71 W. 6th St., Cincinnati, O.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
John Reynders & Co., 303 4th Av., New York.

2377. PESSARIES.

A. RUBBER PESSARIES. Akron Rubber Works, Akron, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
W. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Parker, Stearns & Sutton, 229 South St., New York.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.
Shepard & Dudley, 150 William St., New York.
Tyer Rubber Co., Andover, Mass.

B. SPIRAL SPRING PESSARIES. F. G. Otto & Sons, 146 Duane St., New York.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.

2378. SHOULDER BRACES. Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.

2379. SPLINTS. D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
Seabury & Johnson, 21 Platt St., New York.
Shepard & Dudley, 150 William St., New York.

A. EXTENSION COLUMNS. Hartford Woven Wire Mattress Co., Hartford, Conn.

2380. STRETCHERS.

A. AMBULANCE STRETCHERS. John F. McHugh, 1263 Broadway, New York.

B. HOSPITAL STRETCHERS. Hartford Woven Wire Mattress Co., Hartford, Conn.
Sargent Mfg. Co., Muskegon, Mich.

2381. SPINAL SUPPORTERS. Pomeroy Truss Co., 785 Broadway, New York.
Shepard & Dudley, 150 William St., New York.
Werum Bros., Toledo, O.

2382. STETHOSCOPES. John Reynders & Co., 303 4th Av., New York.
Shepard & Dudley, 150 William St., New York.
George Tiemann & Co., 107 Park Row, New York.

2383. SURGICAL INSTRUMENTS.
A. S. Aloe & Co., 415 N. Broadway, St. Louis, Mo.
Wm. H. Armstrong & Co., Indianapolis, Ind.
William Autenrieth, 71 W. 6th St., Cincinnati, O.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.

J. H. Gemrig & Son, 109 S. 8th St., Philadelphia, Pa.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Leach & Greene, 165 Tremont St., Boston, Mass.
A. M. Leslie Surg. Instrument Co., 915 Olive St., St. Louis, Mo.
Chas. Lentz & Sons, 18 N. 11th St., Philadelphia, Pa.
Meyrowetz Bros., 295 4th St., New York.
F. G. Otto & Sons, 146 Duane St., New York.
John Reynders & Co., 303 4th Av., New York.
Chas. E. Riker, 1227 Broadway, New York.
Sharp & Smith, 73 Randolph St., Chicago, Ill.
Shepard & Dudley, 150 William St., New York.
J. J. Teufel & Bro., 114 S. 10th St., Philadelphia, Pa.
George Tiemann & Co., 107 Park Row, New York.
Chas. Truax, Green & Co., 75 Wabash Av., Chicago, Ill.

2384. SURGICAL RUBBER GOODS.

Akron Rubber Works, Akron, O.
Butler Hard Rubber Co., 33 Mercer St., New York.
Davol Rubber Co., Providence, R. I.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
Parker, Stearns & Sutton, 229 South St., New York.
John Reynders & Co., 303 4th Av., New York.

A. ABDOMINAL COILS.
Akron Rubber Works, Akron, O.
Tyer Rubber Co., Andover, Mass.

B. CUPPING CUPS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Tyer Rubber Co., Andover, Mass.

C. RUBBER CATHETERS.
Akron Rubber Works, Akron, O.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Parker, Stearns & Sutton, 229 South St., New York.
Tyer Rubber Co., Andover, Mass.

D. RUBBER DILATORS.
Akron Rubber Works, Akron, O.

E. RUBBER SPECULUMS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
India Rubber Comb Co., 9 Mercer St., New York.

2385. SUSPENSORY BANDAGES.

G. W. Flavell & Bro., 248 N. 8th St., Philadelphia, Pa.
T. W. Heinemann Co., 34 W. Monroe St., Chicago, Ill.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Vincent Perry & Co., Germantown, Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.

2386. SYRINGES.

A. EYE & EAR SYRINGES.
Parker, Stearns & Sutton, 229 South St., New York.
Tyer Rubber Co , Andover, Mass.

B. FOUNTAIN SYRINGES.
A. M. Leslie Surg. Instrument Co., 915 Olive St., St. Louis, Mo.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

C. HYPODERMIC SYRINGES.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Leach & Greene, 165 Tremont St., Boston, Mass.
Shepard & Dudley, 150 William St., New York.
H. Weinhagen, 24 N. William St., New York.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.
S. S. White Dental Mfg. Co., Chestnut & S. 2d Sts., Phila., Pa.

D. RUBBER SYRINGES.
Akron Rubber Works, Akron, O.
Butler Hard Rubber Co., 33 Mercer St., New York.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Davol Rubber Co., Providence, R. I.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
India Rubber Comb Co., 9 Mercer St., New York.
Millard Mfg. Co., Providence, R. I.
Northwestern Rubber Co., 141 Lake St., Chicago, Ill.
Omaha Rubber Co., Omaha, Neb.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

E. SIPHON SYRINGES.
Parker, Stearns & Sutton, 229 South St., New York.

F. SYRINGE TIPS.
Rogers & Hubbard Co., Middletown, Conn,

2387. TRUSSES, SURGICAL.

Wm. H. Armstrong & Co., Indianapolis, Ind.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
Geo. R. Fuller, 147 State St., Rochester, N. Y.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
N. Jones & Co., 124 Chambers St., New York.

Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
Pomeroy Truss Co., 785 Broadway, New York.

A. ELECTRIC TRUSSES.
Empire Mfg. Co., Lockport, N. Y.
W. J. Horne, 180 Wabash Av., Chicago, Ill.
Geo. A. Scott, 842 Broadway, New York.

B. HARD RUBBER TRUSSES.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
I. B. Seeley & Co., 25 S. 11th St., Philadelphia, Pa.

C. LEATHER COVERED TRUSSES.
Hastings Truss Co., 224 S. 9th St., Philadelphia, Pa.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Philadelphia Truss Co., 610 Locust St., Philadelphia, Pa.
Shepard & Dudley, 150 William St., New York.

D. TRUSS BUCKLES.
Amer. Buckle & Cartridge Co., West Haven, Conn.
E. F. Angell & Co., 18 W. Randolph St., Chicago, Ill.

E. TRUSS PADS.
Universal Rubber Co. of New York, Hoboken, N. J.

2388. VACCINE VIRUS WRAPPERS.
Bishop Gutta Percha Co., 422 E. 25th St., New York.

2389. VETERINARY INSTRUMENTS.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.
Haussmann, McComb & Dunn, 122 Randolph St., Chicago, Ill.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
D. W. Kolbe & Son, 1207 Arch St., Philadelphia, Pa.
John Reynders & Co., 303 4th Av., New York.
Shepard & Dudley, 150 William St., New York.

XXXVIII. TEXTILES.

2390. ALPACA.
Bradford Mills Co., Godfrey St. & Stenton Av., Philadelphia, Pa.
Farr Alpaca Co., Holyoke, Mass.

2391. ARMURES.
Brussels Tapestry Co., Ardsley, N. Y.
Cheney Bros., S. Manchester, Conn.
Givernaud Bros., W. Hoboken, N. J.

2392. ASBESTOS CLOTH.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

2393. AWNING CLOTHS.
Druid Mills Co., Baltimore, Md. *88
Falls Co., Norwich, Conn.
John Farnum & Co., Lancaster, Pa.
Greenwoods Co., New Hartford, Conn.
Huguley Mfg. Co., West Point, Ga.
Mississippi Mills, Wesson, Miss.
Roberts Bros., 71 Market St., Chicago, Ill.
Sibley Mfg. Co., Augusta, Ga.
Thorndike Co., Thorndike, Mass.
Warren Cotton Mills, W. Warren, Mass.
A. Whitney & Sons, 1601 Callowhill St., Philadelphia, Pa.

2394. BAGGING.

A. COTTON BAGGING.
Lane Mills, New Orleans, La.
Riverside Mills, Augusta, Ga.
James Sherry, Eufaula, Ala.

B. GUNNY BAGGING.
Hart Bagging Co., 2d Av. & 8th St., Brooklyn, N. Y.
Ludlow Mfg. Co., Ludlow, Mass.
E. S. Stevens, Dudley, Mass.

C. JUTE BAGGING.
American Mfg. Co., 16 Exchange Place, New York.
Charleston Bagging Mfg. Co., Charleston, S. C.
Galveston Bagging & Cordage Factory, Galveston, Tex.
Hinde, Preer & Illges, Columbus, Ga.
Louisville Bagging Mfg. Co., Louisville, Ky.
Moss Collar Co., Fort Worth, Tex.
Nevin's Jute Mills, Salem, Mass.

2395. BEAVERS.
Ashuelot Mfg. Co., Ashuelot, N. H.
Assabet Mfg. Co., Maynard, Mass.
M. Collins, Lowell, Mass.
Germania Mills, Holyoke, Mass.
Jas. S. Gill & Co., Ludlow, Vt.
Harris Woolen Co., Woonsocket, R. I.
Hillsboro' Woolen Mills, Hillsboro' Bridge, N. H.
Middlesex Co., Lowell, Mass.

San Francisco Pioneer Woolen Factory, San Francisco, Cal.
Slater Woolen Co., Webster, Mass.
E. C. Thayer, Ashuelot, N. H.
Worumbo Mfg. Co., Lisbon Falls, Me.

2396. BED SPREADS.

McAden Mills, McAdensville, N. C.
Monadnock Mills, Claremont, N. H.
Fred'k Rumpf & Bro., Huntingdon & Hancock Sts., Phila., Pa.
Swift Mfg. Co., Columbus, Ga.

2397. BILLIARD CLOTH.

Schulenburg Mfg. Co., Detroit, Mich.

2398. BINDINGS.

A. BLANKET BINDINGS.

Russell Mfg. Co., Middletown, Conn.

B. CARPET BINDINGS.

John Graham's Sons, 518 W. 35th St., New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Knapp Rubber Binding Co., 273 Canal St., New York.
James Wilson & Sons, 1146 Charlotte St., Philadelphia, Pa.

C. CORSET BINDINGS.

John J. Kenyon, Pawtucket, R. I.
Mayer, Strouse & Co., New Haven, Conn.
Springfield Narrow Fabric Co., Springfield, Mass.
Warner Bros., 359 Broadway, New York.

D. OIL CLOTH BINDINGS.

John Graham's Sons, 518 W. 35th St., New York.
Knapp Rubber Binding Co., 273 Canal St., New York.
Springfield Narrow Fabric Co., Springfield, Mass.

E. SILK BINDINGS.

Barnes Mfg. Co., Paterson, N. J.
Belding Bros. & Co., Belding, Mich.
Joseph Loth & Co., 65 Greene St., New York.
Richardson Silk Co., Belding, Mich.
Schloss & Sons, 15 Mercer St., New York.

2399. BLANKETS.

W. M. Allison & Bro., Potter's Mills, Pa.
J. W. & S. E. Bonsack, Bonsack's, Va.
Samuel Bradley & Sons, Allegheny City, Pa.
Brighton Mills, 541 W. 23d St., New York.
Buell Mfg. Co., St. Joseph, Mo.
Capital City Woolen Mills, Des Moines, Iowa.
Clarksburg Woolen Mills, Clarksburg, W. Va.
O. F. Day, Son & Co., Baltimore, Md.
Samuel Fox, La Porte, Ind.
C. E. Geisendorff & Co., Indianapolis, Ind.
Geo. H. Gilbert Mfg. Co., Ware, Mass.
Peter Graff & Co., Buffalo Mills, Pa.
Gwyn-Harper Mfg. Co., Patterson, N. C.
R. Hey & Son, Main, nr. Shurs St., Philadelphia, Pa.
Hyman & Marks, Wabash, Ind.
I. Meek, Bonaparte, Iowa.
Geo. Merritt & Co., Indianapolis, Ind.
F. Muhlhauser & Co., Cleveland, O.
Newichawanick Co., S. Berwick, Me.
J. R. & J. H. Perkins, Riverhead, N. Y.
C. Reel & Co., Allegheny, Pa.
Reeves & Hitch, Bloomington, Ill.
Robinson Mfg. Co., Oxford, Me.
M. T. Stevens & Sons, N. Andover, Mass.
Tennessee Woolen Mills, McMinville, Tenn.
John Townsend, Milton Mills, N. H.

A. CAMP BLANKETS.

Alexander Bros., Cossayuna, N. Y.

B. COTTON BLANKETS.

Boston Duck Co., Bonds Village, Mass.
New Albany Woolen Mills, New Albany, Ind.

C. WOOLEN BLANKETS.

Albany Woolen Mills Co., Albany, Oregon.
Ashland Woolen Mills, Ashland, Ore.
Barry Woolen Mills, Barry, Ill.
Cedarburg Woolen Mills, Cedarburg, Wis.
Cordaville Woolen Mills Co., Southboro', Mass.
Davenport Woolen Mills Co., Davenport, Iowa.
Deseret Woolen Mills Co., Salt Lake City, Utah.
John & James Dobson, 28 N. Front St., Philadelphia, Pa.
Eagle Woolen Mills Co., Brownsville, Ore.
Goshen Woolen Mill Co., Goshen, Ind.
F. Gray Co., Piqua, O.
Gwyn-Harper Mfg. Co., Patterson, N. C.
John Lonsdale & Sons, Dale, Iowa.
Los Angeles Woolen Co., Los Angeles, Cal.
Merced Woolen Mills, Merced Falls, Cal.
Marysville Woolen Mills, Marysville, Cal.
Napa Woolen Mills, Napa, Cal.
New Albany Woolen Mills, New Albany, Ind.
North Star Woolen Mill Co., Minneapolis, Minn.
Norwich Woolen Co., Norwich, Conn.

Oregon City Mfg. Co., Oregon City, Ore.
Sanford Mills, Sanford, Me.
San Francisco Pioneer Woolen Factory, San Francisco, Cal.
San Jose Woolen Mill Co., San Jose, Cal.
Sevill Schofield, Son & Co., 51 N. Front St., Philadelphia, Pa.
Seymour Woolen Factory Co., Seymour, Ind.
Shuler & Benninghoffen, Hamilton, O.

2400. BRAIDS.

S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
D. Goff & Sons, Pawtucket, R. I.
Gold Medal Braid Co., Attleboro' Falls, Mass.
John J. Kenyon, Pawtucket, R. I.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.
Richardson Silk Co., Belding, Mich.
John Henry Vogt, 270 Bowery, New York.

A. AWNING BRAIDS.

Barnes Mfg. Co., Paterson, N. J.
S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
Fletcher Mfg. Co., Providence, R. I.
Hampden Braiding Co., Springfield, Mass.
John J. Kenyon, Pawtucket, R. I.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Roberts Bros., 71 Market St., Chicago, Ill.

B. CASHMERE BRAIDS.

Barnes Mfg. Co., Paterson, N. J.
Belding Bros. & Co., Belding, Mich.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

C. COTTON BRAIDS.

Fletcher Mfg. Co., Providence, R. I.
John J. Kenyon, Pawtucket, R. I.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Robert D. Mason & Co., Pawtucket, R. I.
Hugo Maul & Co., 19 Bond St., New York.
Sutro Bros. Braid Co., 127 Spring St., New York.
What Cheer Silk & Mohair Braid Co., Providence, R. I.

D. DRESS BINDING BRAID.

Belding Bros. & Co., Belding, Mich.
S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
D. Goff & Sons, Pawtucket, R. I.
Hampden Braiding Co., Springfield, Mass.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

E. ELASTIC BRAIDS.

Geo. S. Colton, Easthampton, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.

F. JEWELERS' BRAIDS.

M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Tate & Co., Malden, Mass.

G. MOHAIR BRAIDS.

Barnes Mfg. Co., Paterson, N. J.
Belding Bros. & Co., Belding, Mich.
Hampden Braiding Co., Springfield, Mass.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.
Richardson Silk Co., Belding, Mich.
Wm. Skinner Mfg. Co., Holyoke, Mass.
Springfield Braid Co., Springfield, Mass.
Sutro Bros. Braid Co., 127 Spring St., New York.
What Cheer Silk & Mohair Braid Co., Providence, R. I.
Wright Mfg. Co., Lawrence, Mass.

H. PIPING BRAIDS.

Barnes Mfg. Co., Paterson, N. J.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

I. SILK BRAIDS.

Barnes Mfg. Co., Paterson, N. J.
Belding Bros. & Co., Belding, Mich.
Brainerd & Armstrong Co., 625 Broadway, New York.
A. S. Ellison & Co., 105 Greene St., New York.
Hammond, Knowlton & Co., Putnam, Conn.
Hampden Braiding Co., Springfield, Mass.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.
August Moll, 235 Lynch St., Brooklyn, N. Y.
Neuburger Silk Co., Paterson, N. J.
Nonotuck Silk Co., Florence, Mass.
Schloss & Sons, 15 Mercer St., New York.
William Skinner Mfg. Co., Holyoke, Mass.
Springfield Braid Co., Springfield, Mass.
Sutro Bros. Braid Co., 127 Spring St., New York.
What Cheer Silk & Mohair Braid Co., Providence, R. I.

J. SUSPENDER BRAIDS.

M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
T. Martin & Bro., Chelsea, Mass.
Richardson Silk Co., Belding, Mich.

Sutro Bros. Braid Co., 127 Spring St., New York.
Tate & Co., Malden, Mass.

K. TAILORS' BRAIDS.
Belding Bros. & Co., Belding, Mich.
Hammond, Knowlton & Co., Putnam, Conn.
Hampden Braiding Co., Springfield, Mass.
John J. Kenyon, Pawtucket, R. I.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
John Henry Vogt, 270 Bowery, New York.

L. TINSEL BRAIDS.
A. S. Ellison & Co., 105 Greene St., New York.
Hampden Braiding Co., Springfield, Mass.
John J. Kenyon, Pawtucket, R. I.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Schloss & Sons, 15 Mercer St., New York.
Sutro Bros. Braid Co., 127 Spring St., New York.
Tate & Co., Malden, Mass.
John H. Vogt, 270 Bowery, New York.

M. TUBULAR BRAIDS.
Barnes Mfg. Co., Paterson, N. J.
Belding Bros. & Co., Belding, Mich.
John J. Kenyon, Pawtucket, R. I.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.

N. WORSTED BRAIDS.
A. S. Ellison & Co., 105 Greene St., New York.
S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
D. Goff & Sons, Pawtucket, R. I.
Hampden Braiding Co., Springfield, Mass.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Robt. D. Mason & Co., Pawtucket, R. I.
Hugo Maul & Co., 19 Bond St., New York.
What Cheer Silk & Mohair Braid Co., Providence, R. I.
Wright Mfg. Co., Lawrence, Mass.

2401. BROADCLOTHS.
Burlington Woolen Co., Winooski, Vt.
Sevill Schofield, Son & Co., 51 N. Front St., Philadelphia, Pa.
Slater Woolen Co., Webster, Mass.

2402. BROCHÉS.
Cheney Brothers, S. Manchester, Conn.

2403. BUCKRAMS.
R. & H. Adams, Paterson, N. J.
Andrew McLean & Co., Paterson, N. J.
Jas. Thompson & Co., Valley Falls, N. Y.

2404. BUNTINGS.
Fitchburg Worsted Co., Fitchburg, Mass.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
New England Bunting Co., Lowell, Mass.
New Hartford Cotton Mfg. Co., New Hartford, N. Y.
Slater Cotton Co., Pawtucket, R. I. *90
U. S. Bunting Co., Lowell, Mass.

2405. BURLAPS.
American Mfg. Co., Greenpoint, Brooklyn, N. Y.
California Jute Mill Co., E. Oakland, Cal.
Chelsea Jute Mills, 319 Broadway, New York.
Dolphin Mfg. Co., Paterson, N. J.
Keokuk Bag Co., Keokuk, Iowa.
Ludlow Mfg. Co., Ludlow, Mass.
Neville & Co., 31 California St., San Francisco, Cal.

2406. CAMBRICS.
Androscoggin Mills, Lewiston, Me.
Ashland Cotton Co., Jewett City, Conn.
Attawaugan Co., Dayville, Conn.
Berkeley Co., Providence, R. I.
Conanicut Mills, Fall River, Mass.
Grosvenor Dale Co., Grosvenor Dale, Conn.
Hookset Mfg. Co., Hookset, N. H.
King Philip Mills, Fall River, Mass.
Lonsdale Co., Providence, R. I.
Manville Co., Manville, R. I.
Saratoga Victory Mfg. Co., Victory Mills, N. Y.
Slater Cotton Co., Pawtucket, R. I. *90
Slater Woolen Co., Webster, Mass.
Social Mfg. Co., Woonsocket, R. I.
Totoket Mills, Norwich, Conn.

2407. CANOPY NETTING.
I. E. Palmer, Middletown, Conn. *65

2408. CANVAS.
Chelsea Jute Mills, 319 Broadway, New York.
Dolphin Mfg. Co., Paterson, N. J.
Greenwoods Co., New Hartford, Conn.

2409. CARDIGANS.
Cedarburg Woolen Mills, Cedarburg, Wis.

2410. CARPETING CLOTHS.
John & James Dobson, 28 N. Front St., Philadelphia, Pa.

2411. CARRIAGE CLOTHS.
Fitchburg Woolen Mill, Fitchburg, Mass.
Edmund F. Heath & Son, Newark, N. J.
Talbot Mills, N. Billerica, Mass.
Waterloo Woolen Mfg. Co., Waterloo, N. Y.

2412. CASHMERETTES.
C. J. Amidon & Sons, Hinsdale, N. H.

Haile-Frost Co., Hinsdale, N. H.
Provo Woolen Mills Co., Provo City, Utah.
Webster Woolen Co., Sabattus, Me.

2413. CASSIMERES.

Amos Abbott & Co., Dexter, Me.
Ætna Mills, Watertown, Mass.
Albany Woolen Mills Co., Albany, Ore.
Oliver Allen & Son, Mumford, N. Y.
Amana Society, Homestead, Iowa.
American Mills Co., Rockville, Conn.
Ashaway Woolen Co., Ashaway, R. I.
Ashland Woolen Mills, Ashland, Ore.
Assabet Mfg. Co., Maynard, Mass.
Auburn Woolen Co., Auburn, N. Y.
Beebe, Weber & Co., Holyoke, Mass.
Bidwell & Loomis, Mystic Bridge, Conn.
S. Blackinton Woolen Co., Blackinton, Mass.
Blackstone Woolen Co., Blackstone, Mass.
Blake & Co., Racine, Wis.
Robt. Bleakie & Co., Hyde Park, Mass.
J. W. & S. E. Bonsack, Bonsack's, Va.
Boundbrook Woolen Mills, Boundbrook, N. J.
Broad Brook Co., Hartford, Conn.
A. J. Brumbach, Reading, Pa.
Buell Mfg. Co., St. Joseph, Mo.
Burlington Woolen Co., Winooski, Vt.
Callaghan & Bro., Baltimore Av. & 60th St., Philadelphia, Pa.
Canoga Woolen Co., Auburn, N. Y.
Capital City Woolen Mills, Des Moines, Iowa.
J. Capps & Sons, Jacksonville, Ill.
Capron Woolen Co., Uxbridge, Mass.
Carolina Mills Co., Carolina, R. I.
Cazenovia Woolen & Felt Co., Cazenovia, N. Y.
Central Falls Woolen Mill, Lincoln, R. I.
Charlottesville Woolen Mills, Charlottesville, Va.
John Chase & Sons, Dudley, Mass.
Clinton Mills Co., Norwich, Conn.
Clinton Woolen Mfg. Co., Clinton, Mich.
John S. Collins, Gilsum, N. H.
Crosby M. Brown & Co., Haverford Av. & 69th St., Phila., Pa.
Crown Mills, Marcellus, N. Y.
Curtis Mfg. Co., Worcester, Mass.
Daniel Curtis Sons, Woodbury, Conn.
S. F. Cushman, Monson, Mass.
Davenport Woolen Mills Co., Davenport, Iowa.
W. E. Delabarre & Co., Conway, Mass.
Dexter Woolen Mills, Dexter, Me.
R. Dobson & Co., Pittsfield, Me.
Thos. Dolan & Co., Hancock & Columbia Avs., Phila., Pa.
Eagle Woolen Mills Co., Brownsville, Ore.
Ellis, Converse & Co., Stafford Springs, Conn.
D. W. Ellis & Son, Monson, Mass.
Elmira Woolen Mills, Elmira, N. Y.
Empire Woolen Co., Clayville, N. Y.
Farr Alpaca Co., Holyoke, Mass.
Franklin Glazier's Son, S. Glastonbury, Conn.
Forest Mills Co., Bridgeton, Me.
Chas. Fox & Co., Stafford Springs, Conn.
Henry Fox & Co., Urbana, O.
Samuel Fox, La Porte, Ind.
George's River Mills, Warren, Me.
Globe Woolen Co., Utica, N. Y.
Granite State Mills, Newport, N. H.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Hamilton Woolen Co., 18 Post Office Square, Boston, Mass.
Hanover Woolen Mfg. Co., Hanover, Ill.
Harris Woolen Co., Woonsocket, R. I.
Hartford Woolen Co., Hartford, Vt.
Hawthorne Mills, Glenville, Conn.
Holstein Woolen Co., Holstein Mills, Va.
Jas. Irving & Son, Chester, Pa.
Island Woolen Co., Baraboo, Wis.
Jamestown Woolen Mills, Jamestown, N. Y.
Jefferson Mfg. Co., Jeffersonville, Mass.
Jefferson Woolen Mills, Jefferson, Wis.
Johnstown Mfg. Co., Johnstown, Pa.
E. Kenyon & Son, Kenyon, R. I.

Kiamensi Woolen Co., Stanton, Del.
C. J. Kittredge & Co., Dalton, Mass.
Knox, Hill & Co., Warsaw, Ill.
Knox Woolen Co., Camden, Me.
M. A. Lapham, Millbury, Mass.
J. G. Leinbach & Co., Reading, Pa.
Lewisburg Woolen Co., Lewisburg, Pa.
Liberty Woolen Mfg. Co., Bedford City, Va.
John Lonsdale & Sons, Dale, Iowa.
Madison Woolen Co., Madison, Me.
I. Meek, Bonaparte, Iowa.
Middlesex Co., Lowell, Mass.
Mineral Spring Mfg. Co., Stafford Springs, Conn.
Missisquoi Woolen Mill, Enosburg Falls, Vt.
New Albany Woolen Mills, New Albany, Ind.
New England Co., Rockville, Conn.
North Adams Mfg. Co., North Adams, Mass.
Norwich Woolen Co., Norwich, Conn.
Geo. W. Olney, Cherry Valley, Mass.
Josiah Perry, Dudley, Mass.
Plymouth Woolen Co., Plymouth, Mass.
Provo Woolen Mills Co., Provo City, Utah.
Putnam Woolen Co., Putnam, Conn.
Raritan Woolen Mills, Raritan, N. J.
Rawitser & Bro., Stafford Springs, Conn.
Ray's Woolen Co., 86 Worth St., New York.
Reedsburg Woolen Mills Co., Reedsburg, Wis.
Reeves & Hitch, Bloomington, Ill.
Jas. J. Regan, Rockville, Conn.
Riverside Woolen Co., Stafford, Conn.
Robinson Mfg. Co., Oxford, Me.
Rock Mfg. Co , Rockville, Conn.
C. W. Rockwell & Co., Rockwell's Mills, N. Y.
G. M. Rockwell & Co., Dryden, N. Y.
Jas. Roy & Co., Schenectady, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
San Francisco Pioneer Woolen Factory, San Francisco, Cal.
Sayles & Jenks, Warren, Mass.
Sawyer Woolen Mills, Dover, N. H.
Schaghticoke Woolen Co., Schaghticoke, N. Y.
Sevill Schofield, Son & Co., 51 N. Front St., Philadelphia, Pa.
Shaw, Esrey & Co., Ltd., Chester, Pa.
Somerset Mfg. Co., Raritan, N. J.
South Bend Woolen Co., South Bend, Ind.
Spencer Woolen Co., Spencer, Mass.
Stillwater Woolen Mill, Stillwater, R. I.
Stone, Atwood & Co., Flint, Mich.
Swift River Co., Enfield, Mass.
Talcott Bros., Talcottville, Conn.
Thayer, Capps & Bradish, Springfield, Ill.
Trenton Worsted Mills, Trenton, N. J.
Union Mfg. Co., Norwalk, Conn.
Union Mfg. Co., Torrington, Conn.
Vernon Woolen Co., Vernon, Conn.
R. N. & E. C. Walsh, Madrid, N. Y.
W. A. Walton & Co., Plainville, R. I.
Warren Cotton Mills, West Warren, Mass.
Webster Woolen Co., Sabattus, Me.
Weybosset Mills, Providence, R. I.
C. A. & S. M. Wheelock, Uxbridge, Mass.
Geo. Whitney & Co., Royalston, Mass.
Wickford Worsted Mill, Wickford, R. I.
Woolen Mfg. Co. of Beaver Dam, Beaver Dam, Wis.
Wm. Wood & Co., 22d & Spring Garden Sts., Phila., Pa.

2414. CHAMBRÊS.
Durham Cotton Mfg. Co., Durham, N. C.
Manville Co., Manville, R. I.
Slater Cotton Co., Pawtucket, R. I. *90
Wilmington Cotton Mills, Wilmington, N. C.

2415. CHEESE CLOTH.
L. M. Harris & Co., Oakdale, Mass.
Slater Cotton Co., Pawtucket, R. I. *90

2416. CHENILLES.
Brainerd & Armstrong Co., New London, Conn.
A. S. Ellison & Co., 105 Greene St., New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.

2417. CHEVIOTS.

A. COTTON CHEVIOTS.
Arasapha Mfg. Co., Chester, Pa.

S. Blackington Woolen Co., Blackington, Mass.
Columbian Mfg. Co., Greenville, N. H.
Jewett City Mill, Jewett City, Conn.
C. J. Milne & Sons, Kentmere, Del.
Riverside Cotton Mills, Danville, Va.
Warren Cotton Mill, W. Warren, Mass.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

B. WOOLEN CHEVIOTS.
Assabet Mfg. Co., Maynard, Mass.
Burlington Woolen Co., Winooski, Vt.
Calumet Woolen Co., Uxbridge, Mass.
Falls Co., Norwich, Conn.
Slater Woolen Co., Worcester, Mass.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

2418. CHINCHILLAS.
M. Collins, Lowell, Mass.
Adolph S. Ellison & Co., 103 Greene St., New York.
Raritan Woolen Mills, Raritan, N. J.
Somerset Mfg. Co., Raritan, N. J.
Worumbo Mfg. Co., Lisbon Falls, Me.

2419. CLOAKINGS.
Ætna Mills, Watertown, Mass.
E. W. Chapin, Chapinville, Mass.
Clark & Keen, 1720 N. 2d St., Philadelphia, Pa.
Jas. Doak, Jr. & Co., 2185 E. Norris St., Philadelphia, Pa.
Thos. Dolan & Co., Hancock & Columbia Avs., Phila., Pa.
M. A. Furbush & Sons, 224 Market St., Philadelphia, Pa.
Geneva Worsted Mills, Providence, R. I.
Franklin Glazier's Son, S. Glastonbury, Conn.
Wm. Hall & Co., Jamestown, N. Y.
Hawthorne Mills, Glenville, Conn.
Merrimac Woolen Mills, Dracut, Mass.
Oregon City Mfg. Co., Oregon City, Ore.
Raritan Woolen Mills Co., Raritan, N. J.
Jas. Roy & Co., Schenectady, N. Y.
Somerset Mfg. Co., Raritan, N. J.
Stillwater Woolen Mill, Stillwater, R. I.
J. C. Stratton & Co., 112 Greene St., New York.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

2420. COLORED COTTONS.
Barnaby Mfg. Co., Fall River, Mass.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Granite Falls Mfg. Co., Granite Falls, N. C.
Maginnis Cotton Mills, New Orleans, La.
Manville Co., Manville. R. I.
Rosalie Mills Co., Natchez, Miss.

2421. COMFORTABLES.
Blatner Bros., Albany, N. Y.
Cold Blast Feather Co., 56 W. Van Buren St., Chicago, Ill.
Ely, Collins & Hale, 1918 Chestnut St., St. Louis, Mo.
Fuld Bros., 43 Walker St., New York.
Geo. Heyman, 179 Canal St. New York.
Industry Down & Quilting Co., 432 N. 22d St., Philadelphia, Pa.
A. Lessig, 1909 N. 6th St., Philadelphia, Pa.
Palmer Bros., Montville, Conn.
R. T. Palmer Co., New London, Conn.
Tyler Batting & Yarn Mills, Wyoming, R. I.

2422. CORDS.

A. BUTTONHOLE CORD.
Hadley Co., Holyoke, Mass.

B. SKIRT CORD.
Hugo Maul & Co., 19 Bond St., New York.
Sutro Bros. Braid Co., 127 Spring St., New York.

C. SOLID BRAIDED CORDS.
Ossawan Mills Co., Norwich, Conn. *65

D. TINSEL CORDS.
Hampden Braiding Co., Springfield, Mass.

E. UPHOLSTERY CORDS.
Burr, Brown & Co., Hingham, Mass.
C. Buschner, 738 Broadway, New York.
Horstman Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Maurice O'Brien & Son, 812 Broadway, New York.
Ossawan Mills Co., Norwich, Conn. *65
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.
J. H. Stevenson & Co., 15 Washington St., Chicago, Ill.
Sutro Bros. Braid Co., 127 Spring St., New York.
W. Warren Thread Works, Westfield, Mass.

2423. CORDONNETS.
Cheney Bros., S. Manchester, Conn.

2424. COTTONADES.
Arista Mills, Salem, N. C.
W. H. Baldwin, Jr. & Co., Savage, Md.
Bates Mfg. Co., Lewiston, Me.
John Dallas' Sons, Frederick Av. & Westmoreland St., Phila., Pa.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Everett Mills, Lawrence, Mass.
Falls Co., Norwich, Conn.
C. E. Graham Mfg. Co., Asheville, N. C.

Lewiston Mills Co., Lewiston, Me.
Jas. Long, Bro. & Co., 203 Arch St., Philadelphia, Pa.
Mississippi Mills, Wesson, Miss.
Monbo Mfg. Co., Monbo, N. C.
Muscogee Mfg. Co., Columbus, Ga.
New York Mills, New York Mills, N. Y.
Pemberton Co., Lawrence, Mass.
Porter & Dickey, Howard & Norris Sts., Philadelphia, Pa.
Riverside Cotton Mills, Danville, Va.
Isaac W. Smith, Bridgeport, Pa.
Swift Mfg. Co., Columbus, Ga.
Warren Cotton Mill, W. Warren, Mass.
Whittenton Mfg. Co., Taunton, Mass.
York Mfg. Co., Saco, Me.

2425. COTTON CHECKS.
Algernon Mills, Augusta, Ga.
Aurora Cotton Mills, Burlington, N. C.
Brookside Mills, Knoxville, Tenn.
S. A. Crozer & Son, Upland, Pa.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Great Falls Mfg. Co., Great Falls, N. H.
Griffin Mfg. Co., Griffin, Ga.
E. M. Holt Plaid Mills, Burlington, N. C.
Jas. H. Kerr, Huntingdon Av., Philadelphia, Pa.
J. W. Lewis & Co., Chester, Pa.
Jas. Long, Bro. & Co., 203 Church St., Philadelphia, Pa.
Manville Co., Manville, R. I.
C. J. Milne & Sons, Kentmere, Del.
Mississippi Mills, Wesson, Miss.
New High Shoals Mfg. Co., High Shoals, Ga.
Oneida Cotton Mill, Graham, N. C.
Otis Co., Three Rivers, Mass.
Pee Dee Mfg. Co., Rockingham, N. C.
Porter & Dickey, Howard & Norris Sts., Philadelphia, Pa.
Riverside Cotton Mills, Danville, Va.
Roswell Mfg. Co., Roswell, Ga.
Shetucket Co., Norwich, Conn.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.
Swift Mfg. Co., Columbus, Ga.
Tennessee Mfg. Co., Nashville, Tenn.
Tuscaloosa Mfg. Co., Tuscaloosa, Ala.

2426. CRASH.
Hookset Mfg. Co., Hookset, N. H.
Ludlow Mfg. Co., Ludlow, Mass.
Slater Cotton Co., Pawtucket, R. I. *90

2427. CRÊPE.
Cheney Bros., S. Manchester, Conn.

2428. CRETONNES.
Wamsutta Mills, New Bedford, Mass.

2429. CRINOLINE.
R. & H. Adams, Paterson, N. J.
I. E. Palmer, Middletown, Conn. *65

2430. CURTAINS.

A. CAR CURTAINS.
American Railway Supply Co., 24 Park Place, New York.
Brussels Tapestry Co., Ardsley, N. Y.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y

B. CHENILLE CURTAINS.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.
Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
John Bromley & Sons, N. Front cor. E. Dauphin St., Phila., Pa.
Geo. Brooks & Son, 55th St. & Westminster Av., Phila., Pa.
Brussels Tapestry Co., Ardsley, N. Y.
E. H. Godshalk Co., 86 Worth St., New York.
Hoyle, Harrison & Kaye, Oriana St. & Lehigh Av., Phila., Pa.
Hyndman & Moore, 1925 Hope St., Philadelphia, Pa.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.
Stead & Miller, 401 Cambria St., Philadelphia, Pa.

C. EMBROIDERED CURTAINS.
Cylindrograph Co., Bridgeport, Conn.

D. JUTE VELOURS CURTAINS.
McIlwain & Co., 1647 Marshall St., Philadelphia, Pa.

E. LACE CURTAINS.
Anderson, Churchill & Co., Patchogue, N. Y.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.
Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
Nottingham Mills, Providence, R. I.
Wilkes Barre Lace Mfg. Co., Wilkes Barre, Pa.

F. SILK CURTAINS.
Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
Brussels Tapestry Co., Ardsley, N. Y.
Cheney Bros., S. Manchester, Conn.
G. W. Fulton & Co., Paterson, N. J.
Thomas & Harper, Paterson, N. J.
Hoyle, Harrison & Kaye, Oriana St. & Lehigh Av., Phila., Pa.
Imperial Tapestry Co., Paterson, N. J.

G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.
Lyons Silk & Tapestry Co., Paterson, N. J.
Wm. Robertson, Paterson, N. J.
W. & J. Sloane, 884 Broadway, New York.
Stead & Miller, 401 Cambria St., Philadelphia, Pa.

G. TAPESTRY CURTAINS.
Hoyle, Harrison & Kaye, Lehigh Av. cor. Oriana St., Phila., Pa.
B. L. Solomon's Sons, 1012 Walnut St., Philadelphia, Pa.
Stead & Miller, 401 Cambria St., Philadelphia, Pa.

H. TURCOMAN CURTAINS.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.
George Brooks & Sons, 55th St. & Westminster Av., Phila., Pa.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.

2431. DAMASKS.
Leech & Noska, Manayunk, Philadelphia, Pa.
Lewiston Mill Co., Lewiston, Me.
Renfrew Mfg. Co., Adams, Mass.
Samuel Riddle & Sons, Glen Riddle, Pa.

2432. DELAINES.
Pacific Mills, Lawrence, Mass.

2433. DENIMS.
Amoskeag Mfg. Co., Manchester, N. H.
Columbian Mfg. Co., Greenville, N. H.
Falls Co., Norwich, Conn.
C. E. Graham Mfg. Co., Asheville, N. C.
Jewett City Mill, Jewett City, Conn.
Lehigh Mills Co., S. Easton, Pa.
Lewiston Mill Co., Lewiston, Me.
Otis Co., Three Rivers, Mass.
Randleman Mfg. Co., Randleman, N. C.
Shetucket Co., Norwich, Conn.
Thorndike Co., Thorndike, Mass.
Warren Cotton Mill, W. Warren, Mass.
White Bros., Winchendon, Mass.
Whittenton Mfg. Co., Taunton, Mass.

2434. DIAGONALS.
Geo. L. Balcolm, Claremont, N. H.
Slater Woolen Co., Webster, Mass.
Worumbo Mfg. Co., Lisbon Falls, Me.

2435. DIAPER.
American Linen Co., Fall River, Mass.
Boott Cotton Mills, Lowell, Mass.

2436. DOESKINS.
Albany Woolen Mills Co., Albany, Ore.
Central Falls Woolen Mill, Lincoln, R. I.
Charlottesville Woolen Mills, Charlottesville, Va.
Dexter Woolen Mills, Dexter, Me.
Evansville Woolen Mill Co., Evansville, Ind.
Jas. Irving & Son, Chester, Pa.
C. J. Kittredge & Co., Dalton, Mass.
Knoxville Woolen Mills, Knoxville, Tenn.
Louis Kraemer & Co., Stony Creek Mills, Pa.
Rhodes & Bro., Ashton Mills, Pa.
Rodman Mfg. Co., Lafayette, R. I.
Slater Woolen Co., Webster, Conn.
Isaac W. Smith, Bridgeport, Pa.
Union Mfg. Co., Torrington, Conn.

2437. DOMETTS.
Lewiston Mill Co., Lewiston, Me.

2438. DRAPERIES.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa
Bromley Mfg. Co., Lehigh Av. near N. Front St., Phila, Pa.
Brussels Tapestry Co., Ardsley, N. Y.
Imperial Tapestry Co., Paterson, N. J.

A. COTTON DRAPERIES.
Jacob S. Bernheimer & Bro., 31 White St., New York.

2439. DRESS GOODS.

A. COTTON DRESS GOODS.
Arasapha Mfg. Co., Chester, Pa.
D. W. C. Ellis & Co., 246 Chestnut St., Philadelphia, Pa.
Greylock Mills, Adams, Mass.
Grimshaw Bros., Paterson, N. J.
Grinnell Mfg. Co., New Bedford, Mass
Manville Co., Manville, R. I.
Pequot Mfg. Co., Montville, Conn.
Ponemah Mills Co., Norwich, Conn.
W. F. & F. C. Sayles, Saylesville, R. I.
Slater Cotton Co., Pawtucket, R. I. *9c
Social Mfg. Co., Woonsocket, R. I.

B. SILK DRESS GOODS.
Ashley & Bailey, Paterson, N. J.
P. & I. Bannigan, Paterson, N. J.
Cheney Bros., S. Manchester, Conn.
John D. Cutter & Co., Bethlehem, Pa.
Dexter, Lambert & Co., Paterson, N. J.
Doherty & Wadsworth, Paterson, N. J.
Enterprise Silk Co., Paterson, N. J.
Hamil & Booth, Paterson, N. J.
Hess, Goldsmith & Co., Paterson, N. J.

Naef Bros. & Co., Paterson, N. J.
Paragon Silk Co., Paterson, N. J.
Pelgram & Meyer, Paterson, N. J.
Phœnix Mfg. Co., Paterson, N. J.
Wm. F. Read, 213 Chestnut St., Philadelphia, Pa.
John N. Stearns & Co., 68 Greene St., New York.
W. Strange Co., Paterson, N. J.

C. WOOLEN DRESS GOODS.
Ætna Mills, Watertown, Mass.
Assabet Mfg. Co., Maynard, Mass.
Bothney Woolen Mills, Passaic, N. J.
Burlington Woolen Co., Winooski, Vt.
Cascade Woolen Mills, Oakland, Me.
D. W. C. Ellis & Co., 246 Chestnut St., Philadelphia, Pa.
Granite State Mills, Newport, N. H.
B. Lucas & Co., Poquetanock, Conn.
Madison Woolen Mills, Madison, Me.
Merrimac Woolen Co., Dracut, Mass.
R. M. & Theo. Reynolds, Monson, Mass.
San Francisco Pioneer Woolen Factory, San Francisco, Cal.
M. T. Stevens & Sons, N. Andover, Mass.

D. WORSTED DRESS GOODS.
Pacific Mills, Lawrence, Mass.
United States Bunting Co., Lowell, Mass.
Walsh Worsted Co., Lowell, Mass.

2440. DRILLS.
Anniston Mfg. Co., Anniston, Ala.
Appleton Co., Lowell, Mass.
Atlanta Cotton Mills, Atlanta, Ga.
Augusta Factory, Augusta, Ga.
W. H. Baldwin, Jr. & Co., Savage, Md.
Boott Cotton Mills, Lowell, Mass.
Charleston Cotton Mills, Charleston, S. C.
Clifton Mfg. Co., Clifton, S. C.
D. E. Converse & Co., Glendale, S. C.
Darlington Mfg. Co., Darlington, S. C.
Ettrick Mfg. Co., Petersburg, Va.
Evansville Cotton Mfg. Co., Evansville, Ind.
Exeter Mfg. Co., Exeter, N. H.
Galveston Cotton & Woolen Mills, Galveston, Tex.
Graniteville Mfg. Co., Graniteville, S. C.
Griffin Mfg. Co., Griffin, Ga.
Hamilton Mfg. Co., Lowell, Mass.
John P. King Mfg. Co., Augusta, Ga.
Laconia Co., Biddeford, Me.
Lane Mills, New Orleans, La.
Langley Mfg. Co., Langley, S. C.
Lyman Mills, Holyoke, Mass.
Maginnis Cotton Mills, New Orleans, La.
Matoaca Mfg. Co., Petersburg, Va.
Natchez Cotton Mills Co., Natchez, Miss.
New Market Mfg. Co., New Market, N. H.
Old Dominion Cotton Mills, Manchester, Va.
Pacolet Mfg. Co., Pacolet, S. C.
Pelzer Mfg. Co., Pelzer, S. C.
Penn. Cotton Mill, Pittsburgh, Pa.
Pepperell Mfg. Co., Biddeford, Me.
Piedmont Mfg. Co., Piedmont, S. C.
Pioneer Mill, Memphis, Tenn.
Pocasset Mfg. Co., Fall River, Mass.
Reedy River Mfg. Co., Reedy River Factory, S. C.
Stark Mills, Manchester, N. H.
Stonewall Mfg. Co., Enterprise, Miss.
Tennessee Mfg. Co., Nashville, Tenn.
Tremont & Suffolk Mills, Lowell, Mass.
Trion Mfg. Co., Trion Factory, Ga.

2441. DUCK.

A. BELTING DUCK.
Fitchburg Duck Mills, Fitchburg, Mass.
G. R. & W. R. Mann, Sharon, Mass.

B. CAR DUCK.
Fitchburg Duck Mills, Fitchburg, Mass.

C. COTTON DUCK.
Atlantic Duck Co., Moodus, Conn.
Avon Mfg. Co., Lewiston, Me.
W. H. Baldwin, Jr. & Co., Savage, Md.
Boston Duck Co., Bond's Village, Mass.
California Cotton Mills Co., Oakland, Cal.
Crown Cotton Mills, Dalton, Ga.
Druid Mills Co., Baltimore, Md. *88
East Haddam Duck Co., E. Haddam, Conn.
Falls Co., Norwich, Conn.

Jas. S. Gary & Son, Aberton, Md.
Greenwoods Co., New Hartford, Conn.
Home Cotton Mills Co., 601 S. 4th St., St. Louis, Mo.
Huguley Mfg. Co., West Point, Ga.
Lane Mills, New Orleans, La.
Lawrence Duck Co., Lawrence, Mass.
Lewiston Mills Co., Lewiston, Me.
Maginnis Cotton Mills, New Orleans, La.
Mississippi Mills, Wesson, Miss.
Mount Vernon Co., Baltimore, Md.
Neville & Co., San Francisco, Cal.
Pemberton Co., Lawrence, Mass.
Plymouth Woolen & Cotton Factory, Plymouth, Mass.
Pocasset Mfg. Co., Fall River, Mass.
Princeton Mfg. Co., Athens, Ga.
Russell Mills, Chiltonville, Mass.
Sibley Mfg. Co., Augusta, Ga.
D. B. Smith & Son, Pine Meadow, Conn.
Stark Mills, Manchester, N. H.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Warren Mfg. Co., Warren, Md.
West Point Mfg. Co., West Point, Ga.
Woodberry Mfg. Co. of Baltimore Co., Woodberry, Md.

D. FANCY DUCK.
Falls Co., Norwich, Conn.
H. S. Sawyer's Heirs, Colebrook River, Conn.

E. HOSE DUCK.
Fitchburg Duck Mills, Fitchburg, Mass.

F. SAIL DUCK.
Atlantic Duck Co., Moodus, Conn.
Druid Mills Co., Baltimore, Md. *88
Fitchburg Duck Mill, Fitchburg, Mass.
Greenwoods Co., New Hartford, Conn.
Huguley Mfg. Co., West Point, Ga.
Plymouth Woolen Co., Plymouth, Mass.
Westbrook Mfg. Co., Saccarappa, Me.

2442. ELASTIC GOODS.
American Mills Co., Waterbury, Conn.
Bridgeport Elastic Web Co., Bridgeport, Conn.
Canfield Rubber Co., 41 Park Row, New York.
Franklin Co., Charlestown, Mass.
Glendale Elastic Fabric Co., Easthampton, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.
Howard Mfg. Co., 97 Monument St., Charlestown, Mass.
Nashawannuck Mfg. Co., Easthampton, Mass.

2443. ELYSIANS.
Burlington Woolen Co., Winooski, Vt.

2444. FANCY GOODS.
Arlington Mills, Lawrence, Mass.
Fisher Mfg. Co., Farnumsville, Mass.
Grinnell Mfg. Co., New Bedford, Mass.
Ponemah Mills Co., Norwich, Conn.
Slater Cotton Co., Pawtucket, R. I. *90

2445. FILTER CLOTHS.
West Boylston Mill, Oakdale, Mass.

2446. FLANNELS.

A. COTTON FLANNELS.
Boston Duck Co., Bonds Village, Mass.
Chicopee Mfg. Co., Chicopee Falls, Mass.
Hamilton Mfg. Co., Lowell, Mass.
Hope Mills Mfg. Co., Fayetteville, N. C.
A. Howarth & Son, Oxford, Mass.
Laconia Co., Biddeford, Me.
Lawrence Mfg. Co., Lowell, Mass.
Mississippi Mills, Wesson, Miss.
Nashua Mfg. Co., Nashua, N. H.
New Albany Woolen Mills, New Albany, Ind.
J. L. & T. D. Peck Mfg. Co., Pittsfield, Mass.
Pemberton Co., Lawrence, Mass.
Wm. Simpson & Sons, 128 Chestnut St., Philadelphia, Pa.
Slater Woolen Co., Webster, Mass.
Chas. A. Stevens & Co., Ware, Mass.
Tremont & Suffolk Mills, Lowell, Mass.

B. DRESS FLANNELS.
C. H. Kenyon & Co , S. Coventry, Conn.
King & Fildes Co., La Porte, Ind.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

C. WOOL FLANNELS.
Amos Abbott & Co., Dexter, Me.
Albany Woolen Mills Co., Albany, Ore.
Oliver Allen & Son, Mumford, N. Y.
W. M. Allison & Bro., Potter's Mills, Pa.
Amana Society, Homestead, Iowa.
Appleton Woolen Mills, Appleton, Wis.
Ashland Woolen Mills, Ashland, Ore.

Assabet Mfg. Co., Maynard, Mass.
Barry Woolen Mills, Barry, Ill.
Belvidere Woolen Mfg. Co., Lowell, Mass.
Samuel Bradley & Sons, Allegheny, Pa.
Brown Mfg. Co., Dover, Me.
Buell Mfg. Co., St. Joseph, Mo.
Capital City Woolen Mills, Des Moines, Iowa.
J. Capps & Sons, Jacksonville, Ill.
Cascade Woolen Co., Oakland, Me.
Cedarburg Woolen Mills, Cedarburg, Wis.
Cheshire Mills, Harrisville, N. H.
Clarksburg Woolen Mills, Clarksburg, W. Va.
Cocheco Woolen Mfg. Co., E. Rochester, N. H.
Colony Bros., Wilton, N. H.
Concord Mfg. Co., W. Concord, N. H.
Davenport Woolen Mills Co., Davenport, Iowa.
Deseret Woolen Mills Co., Salt Lake City, Utah.
Dexter Woolen Mills, Dexter, Me.
Dodge-Davis Mfg. Co., Bristol, N. H.
Eagle Woolen Mills Co., Brownsville, Ore.
Farnsworth Co., Lisbon Centre, Me.
Faulkner & Colony Mfg. Co., Keene, N. H.
L. W. Faulkner & Sons, Lowell, Mass.
Henry Fox & Co., Urbana, O.
Samuel Fox, La Porte, Ind.
C. E. Geisendorff & Co., Indianapolis, Ind.
Geo. H. Gilbert Mfg. Co., Ware, Mass.
C. W. & A. D. Gleason, Rock Bottom, Mass.
Goshen Woolen Mill Co., Goshen, Ind.
J. Gould & Son, Northfield, Vt.
Peter Graff & Co., Buffalo Mills, Pa.
Granite State Mills, Newport, N. H.
F. Gray Co., Piqua, O.
Samuel Greenwood & Son, Coatesville, Pa.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Edward Hargraves, N. Shapleigh, Me.
W. P. Hewitt & Co., Menasha, Wis.
Hyman & Marks, Wabash, Ind.
Jamestown Woolen Mills, Jamestown, N. Y.
Jefferson Woolen Mills, Jefferson, Wis.
Louis Kraemer & Co., Stony Creek Mills, Pa.
John Lonsdale & Sons, Dale, Iowa.
Los Angeles Woolen Co., Los Angeles, Cal.
Marysville Woolen Mills, Marysville, Tenn.
Mascoma Flannel Co., Lebanon, N. H.
I. Meek, Bonaparte, Iowa.
Merced Woolen Mills, Merced Falls, Cal.
Geo. Merritt & Co., Indianapolis, Ind.
Middlesex Co., Lowell, Mass.
Missisquoi Mill, Enosburg Falls, Vt.
Moore Alpaca Co., 5th St. & Columbia Av., Philadelphia, Pa.
Napa Woolen Mill, Napa, Cal.
New Albany Woolen Mills, New Albany, Ind.
Newichawanick Co., S. Berwick, Me.
North Andover Mills, N. Andover, Mass.
North Berwick Co., N. Berwick, Me.
North Star Woolen Mill Co., Minneapolis, Minn.
Oregon City Mfg. Co., Oregon City, Ore.
J. C. Parker & Co., Queechee, Vt.
A. M. Patton, Manayunk, Philadelphia, Pa.
J. R. & J. H. Perkins, Riverhead. N. Y.
Pontoosuc Woolen Mfg. Co., Pittsfield, Mass.
Porter & Dickey, Norris & Howard Sts., Philadelphia, Pa.
Provo Woolen Mills Co., Provo City, Utah.
C. Reel & Co., Allegheny, Pa.
Reeves & Hitch, Bloomington, Ill.
C. W. Rockwell & Co., Rockwell's Mills, N. Y.
Rockford Woolen Mills Co., Rockford, Ill.
San Francisco Pioneer Woolen Factory, San Francisco, Cal.
San Jose Woolen Mill Co., San Jose, Cal.
Seymour Woolen Factory Co., Seymour, Ind.
Shuler & Benninghoffen, Hamilton, O.
Slater Woolen Co., Webster, Mass.
Isaac W. Smith, Bridgeport, Pa.
Stevens & Co., Haverhill, Mass.
Stirling Mills, Lowell, Mass.

C. H. & F. H. Stott, Stottville, N. Y.
W. D. Strobel, Jr., Mumford, N. Y.
M. T. Stevens & Sons, N. Andover, Mass.
Talbot Mills, N. Billerica, Mass.
Elias Titus & Sons, Poughkeepsie, N. Y.
Trenton Worsted Mills, Trenton, N. J.
R. N. & E. C. Walsh, Madrid, N. Y.
G. Weiss & Son, Charleston, Ill.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.
Worumbo Mfg. Co., Lisbon Falls, Me.
Yantic Woolen Co., Yantic, Conn.

2447. FOULARDS.
Cocheco Mfg. Co., Dover, N. H.
Andrew McLean & Co., 46 Wooster St., New York.

2448. FRILLS.
Jos. Adamson & Co., 1652 Germantown Av., Philadelphia, Pa.
American Mills Co., Waterbury, Conn.
Hutchins Narrow Fabric Co., Worcester, Mass.

A. ELASTIC FRILLS.
Crown Suspender Co., 4 W. 4th St., New York.
Franklin Co., Charlestown, Mass.
Nashawannuck Mfg. Co., Easthampton, Mass.

2449. FRILLED GOODS.
National Knitting Works, Milwaukee, Wis.
St. Paul Knitting Works, St. Paul, Minn.

2450. FRINGES.

A. CURTAIN FRINGES.
Burr, Brown & Co., Hingham, Mass.
Hamil & Booth, Paterson, N. J.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Robert Lewis, Somerset & Hancock Sts., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Maurice O'Brien & Son, 812 Broadway, New York.
Pioneer Silk Co., Paterson, N. J.
Schrock & Sherwood, 231 Market St., Philadelphia, Pa.

B. LINEN FRINGES.
Burr, Brown & Co., Hingham, Mass.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Manhattan Shade Cloth Co., 456 Broome St., New York.

C. SHAWL FRINGE.
Gibb & Co., 704 S. 5th St., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

D. SILK FRINGE.
Belding Bros. & Co., Belding, Mich.
Burr, Brown & Co., Hingham, Mass.
John Deppeler & Son, 134 Greene St., New York.
Adolph S. Ellison & Co., 105 Greene St., New York.
A. B. Fiedler & Sons, 187 5th Av., Chicago, Ill.
Hertlein & Schlatter, 31 Mercer St., New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Maurice O'Brien & Son, 812 Broadway, New York.
C. A. Schmidt, 343 Broadway, New York.
M. Seckel & Co., 15 Mercer St., New York.
Alfred Ziegler, 98 Arch St., Boston, Mass.

2451. FURNITURE COVERINGS.
Brussels Tapestry Co., Ardsley, N. Y.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.
B. L. Solomon's Sons, 1012 Walnut St., Philadelphia, Pa.
Stead & Miller, 401 Cambria St., Philadelphia, Pa.
Harrison Townsend, Norristown, Pa.

2452. GAUZES.
Cheney Bros., S. Manchester, Conn.

2453. GIMPS.
W. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
C. A. Schmidt, 343 Broadway, New York.
John H. Vogt, 270 Bowery, New York.

A. ADHESIVE GIMPS.
Adhesive Gimp Co., Ltd., 120 Walker St., New York.

B. COTTON GIMPS.
John Graham's Sons, 518 W. 35th St., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

C. FURNITURE GIMPS.
Adhesive Gimp Co., Ltd., 120 Walker St., New York.
George Brooks & Son, 55th St. & Westminster Av., Phila., Pa.
East Lake Mfg. Co., 4026 Orchard St., Philadelphia, Pa.
John Graham's Sons, 518 W. 35th St., New York.
Wm. Hunter, Jr. & Co., 134 York St., Philadelphia, Pa.
C. A. Schmidt, 343 Broadway, New York.

D. SILK GIMPS.
A. S. Ellison & Co., 105 Greene St., New York.
John Graham's Sons, 518 W. 35th St., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
C. A. Schmidt, 343 Broadway, New York.
M. Seckel & Co., 15 Mercer St., New York.
Alfred Ziegler, 98 Arch St., Boston, Mass.

E. UNDERTAKERS' GIMPS.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

2454. GINGHAMS.

S. D. Wright & Co., 1017 N. Front St., Philadelphia, Pa.
Amoskeag Mfg. Co., Manchester, N. H.
Arasapha Mfg. Co., Chester, Pa.
Arlington Mills Mfg. Co., Wilmington, Del.
Barnaby Mfg. Co., Fall River, Mass.
Bates Mfg. Co., Lewiston, Me.
John G. Carruth & Co., Howard & Huntingdon Sts., Phila., Pa.
S. A. Crozer & Son, Upland, Pa.
John Culbertson & Sons, Hamilton & N. 23d Sts., Phila., Pa.
Eagle & Phenix Mfg. Co., Columbus, Ga.
D. W. C. Ellis & Co., 246 Chestnut St., Philadelphia, Pa.
Glasgow Co., S. Hadley Falls, Mass.
Gloucester Gingham Mills, Gloucester City, N. J.
Greylock Mills, Adams, Mass.
Gwyn-Harper Mfg. Co., Paterson, N. J.
Jas. H. Kerr, Huntingdon Av. & Kensington St., Philadelphia, Pa.
Lancaster Mills, 40 Water St., Boston, Mass.
J. W. Lewis & Co., Chester, Pa.
Jas. Long, Bro. & Co., 203 Church St., Philadelphia, Pa.
Lorraine Mfg. Co., Pawtucket, R. I.
McAden Mills, McAdensville, N. C.
Manville Co., Manville, R. I.
Mississippi Mills, Wesson, Miss.
Mitchell Mfg. Co., Fitchburg, Mass.
Parkhill Mfg. Co., Fitchburg, Mass.
Patterson Mills Co., Chester, Pa.
Pee Dee Mfg. Co., Rockingham, N. C.
Renfrew Mfg. Co., Adams, Mass.
John W. Slater, Slatersville, R. I.
Westbrook Mfg. Co., Saccarappa, Me.
White Mfg. Co., Rockville, Conn.
Whittenton Mfg. Co., Taunton, Mass.

2455. GORING.

Bridgeport Elastic Web Co., Bridgeport, Conn.
Dean, Chase & Co., 26 Lincoln St., Boston, Mass.
Glendale Elastic Fabric Co., Easthampton, Mass.
Herbert & Rapp Co., 91 Bedford St., Boston, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.

2456. GRENADINES.

Cheney Bros., S. Manchester, Conn.
Doherty & Wadsworth, Paterson, N. J.
Hamil & Booth, Paterson, N. J.

2457. HAIR CLOTH.

American Hair Cloth Padding Co., Pawtucket, R. I.
McKay Curtain Co., Wilmington, Del.
Pawtucket Hair Cloth Co., Pawtucket, R. I.

2458. HOLLANDS.

Chas. W. Clark & Son, 613 Market St., Philadelphia, Pa.
Cushman Bros. & Co., 84 Hawley St., Boston, Mass.
Henry W. Greene & Co., 1716 Market St., Philadelphia, Pa.
Enos Lapham, Centreville, R. I.
Manhattan Shade Cloth Co., 456 Broome St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.
H. B. Wiggin's Sons, 124 Clinton Place, New York.

A. DADO HOLLANDS.

Chas. W. Clark & Son, Market St., Philadelphia, Pa.
Manhattan Shade Cloth Co., 456 Broome St., New York.
Oswego Shade Cloth Co., Oswego, N. Y.

2459. JEANS

Alcorn Woolen Mfg. Co., Corinth, Miss.
Amana Society, Homestead, Iowa.
Amory Mfg. Co., Manchester, N. H.
Androscoggin Mills, Lewiston, Me.
Arista Mills, Salem, N. C.
Carthage Woolen Mills Co., Carthage, Mo.
Clarendon Mills, W. Boyleston, Mass.
Davenport Woolen Mills Co., Davenport, Iowa.
C. E. Geisendorff & Co., Indianapolis, Ind.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Henderson Woolen Mills Co., Henderson, Ky.
Knoxville Woolen Mills, Knoxville, Tenn.
Louis Kraemer & Co., Stony Creek Mills, Pa.
Jas. Lees & Sons, Bridgeport, Pa.
John Lonsdale & Sons, Dale, Iowa.
Maryville Woolen Mill, Maryville, Tenn.
Mayfield Woolen Mills, Mayfield, Ky.
I. Meek, Bonaparte, Iowa.
Nashville Woolen Mill Co., Nashville, Tenn.
New Albany Woolen Mills, New Albany, Ind.
Porter Mfg. Co., Clarksville, Ga.
Provo Woolen Mills Co., Provo City, Utah.
Reynolds Mfg. Co., Darisville, R. I.

Rhodes & Bro., Aston Mills, Pa.
Rodman Mfg. Co., Lafayette, R. I.
Seymour Woolen Factory Co., Seymour, Ind.
Shaw, Esrey & Co., Ltd., Chester, Pa.
Francis Shroder & Co., Lancaster, Pa.
Slayden-Kirksey Woolen Mills, Waco, Tex.
Tennessee Woolen Mills, McMinnville, Tenn.

A. CORSET JEANS.
Amory Mfg. Co., Manchester, N. H.
Androscoggin Mills, Lewiston, Me.
Laconia Co., Biddeford, Me.

B. COTTON JEANS.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Henrietta Mills, Henrietta, N. C.
Pepperill Mfg. Co., Biddeford, Me.

C. KENTUCKY JEANS.
Henry W. Barret & Co., Louisville, Ky.
Falls City Jeans & Woolen Co., Louisville, Ky.
Geo. McFarland & Co , Gulf Mills, Pa.
Old Kentucky Woolen Mills Co., Louisville, Ky.
David Wallace & Son, Manayunk, Philadelphia, Pa.

2460. JERSEY CLOTHS.
John E. Hanifen & Co., Thompson & Savery Sts., Phila., Pa.
J. H. A. Klander & Co., 195 Huntington St., Philadelphia, Pa.
Knitted Fabric Co., Methuen, Mass.
Thos. C. Love & Son, 6th St. & Susquehanna Av., Phila., Pa.
A. S. Morrison & Bros., Braintree, Mass.
Rankin Knitting Co., Cohoes, N. Y.

A. SILK JERSEY CLOTH.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Starin Silk Fabric Co., Fultonville, N. Y

2461. KERSEYS.
Arista Mills, Salem, N. C.
Ashland Mfg. Co., Baltimore, Md.
S. Blackington Woolen Co., Blackington, Mass.
J. W. & S. E. Bonsack, Bonsack's, Va.
Charlottesville Woolen Mills, Charlottesville, Va.
Holstein Woolen Co., Holstein Mills, Va.
Liberty Woolen Mfg. Co., Bedford City, Va.
New Albany Woolen Mills, New Albany, Ind.
Sanford Mills, Sanford, Me.
Sevill Schofield, Son & Co., 51 N. Front St., Philadelphia, Pa.
Slater Woolen Co., Webster, Mass.
Union Mfg. Co., Torrington, Conn.

2462. KNIT GOODS.
Swits Conde, Oswego, N. Y.
Everett Knitting Works, Manchester, N. H.
James Holroyd, Albany, N. Y.
Oneida Community, Ltd., Community, N. Y.
J. D. Orne & Co., N. 13th & Willow Sts., Philadelphia, Pa.
Ormiston Knitting Mills, Dauphin & 8th Sts., Philadelphia, Pa.
Techner & Frank, N. 8th St., cor. Dauphin, Philadelphia, Pa.

2463. LACINGS.

A. CORSET LACES.
Dibble & Warner, Easthampton, Mass.
Fletcher Mfg. Co., Providence, R. I.
John J. Kenyon, Pawtucket, R. I.
Schloss & Sons, 15 Mercer St., New York.

B. SHOE LACES.
American Porpoise Lace Co., Newark, N. J.
Dibble & Warner, Easthampton, Mass.
Fletcher Mfg. Co., Providence, R. I.
John J. Kenyon, Pawtucket, R. I.
R. Thayer & Son, Holbrook, Mass.
Whitcher & Emery, 4 High St., Boston, Mass.

2464. LADIES' CLOTH.
J. Capps & Sons, Jacksonville, Ill.
Dexter Woolen Mills, Dexter, Me.
Slater Woolen Co., Webster, Mass.

2465. LAWNS.
King Philip Mills, Fall River, Mass.
Manville Co., Manville, R. I.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.
Totokett Mills, Norwich, Conn.
Wamsutta Mills, New Bedford, Mass.

2466. LINENS.
Cable Flax Mills, Troy, S. Dak.
Sioux Falls Linen Mills, Sioux Falls, Minn.

2467. LININGS.
French & Ward, Stoughton, Mass
Irving Mfg. Co., New Brighton, N. Y.

A. CRINOLINE LININGS.
Arrowwanna Mills, Middletown, Conn.
Andrew McLean & Co., Paterson, N. J.
I. E. Palmer, Middletown, Conn. *65

B. QUILTED LININGS.
Novelty Quilting Co., 342 Dearborn St., Chicago, Ill.

C. ROBE LININGS.
L. C. Chase & Co., 129 Washington St., Boston, Mass.

D. RUBBER SHOE LININGS.
Lawrence Felting Co., Millville, Mass.

E. SILK LININGS.
Belding Bros. & Co., Belding, Mich.

Brainerd & Armstrong Co., 625 Broadway, New York.
John D. Cutter & Co., Bethlehem, Pa.
Enterprise Silk Co., Paterson, N. J.
Andrew McLean & Co., Paterson, N. J.
New Jersey Silk Co., Paterson, N. J.
R. & H. Simon, 57 Greene St., New York.
William Skinner Mfg. Co., Holyoke, Mass.
Unquomonk Silk Mills, Holyoke, Mass.

2468. LINSEYS.
Alcorn Woolen Mfg. Co., Corinth, Miss.
J. Dallas' Sons, Frankford Av. & Westmoreland St., Phila., Pa.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Jas. Long, Bro. & Co., 203 Church St., Philadelphia, Pa.
Marysville Woolen Mills, Marysville, Tenn.
Porter & Dickey, Norris & Howard Sts., Philadelphia, Pa.
Provo Woolen Mills Co., Provo City, Utah.
Tennessee Woolen Mills, McMinnville, Tenn.

2469. MELTONS.
Auburn Woolen Co., Auburn, N. Y.
Charlottesville Woolen Mills, Charlottesville, Va.
Crawford & Tyler, N. Dana, Mass.
Ottaquechee Woolen Co., N. Hartland, Vt.

2470. MOMIE CLOTHS.
Fitchburg Worsted Co., Fitchburg, Mass.
King Philip Mills, Fall River, Mass.
Slater Cotton Co., Pawtucket, R. I. *90
Wamsutta Mills, New Bedford, Mass.

2471. MOSQUITO NETTINGS.
R. & H. Adams, Paterson, N. J.
Arrowwanna Mills, Middletown, Conn.
Andrew McLean & Co., Paterson, N. J.
I. E. Palmer, Middletown, Conn. *65
James Thompson & Co., Valley Falls, N. Y.

A. MOSQUITO BARS.
I. E. Palmer, Middletown, Conn. *65

2472. MOURNING PRINTS.
Eddystone Mfg. Co., Ltd., Chester, Pa.

2473. MUSLINS.
Androscoggin Mills, Lewiston, Me.
King Philip Mills, Fall River, Mass.
Slater Cotton Co., Pawtucket, R. I. *90
Wamsutta Mills, New Bedford, Mass.

2474. NANKEENS.
Francis Shroder & Co., Lancaster, Pa.

2475. OSNABURGS.
S. A. Crozer & Son, Upland, Pa.
J. Dallas' Sons, Frankford Av. & Westmoreland St., Phila., Pa.
Ettrick Mfg. Co , Petersburg, Va.
Home Cotton Mills Co., 601 S. 4th St., St. Louis, Mo.
Mississippi Mills, Wesson, Miss.
Pioneer Mill, Memphis, Tenn.
Tombigbee Mills, Columbus, Miss.

A. COTTON OSNABURGS.
Cumberland Mills, Cumberland, N. C.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Lane Mills, New Orleans, La.
Galveston Cotton & Woolen Mills, Galveston, Tex.
Maginnis Cotton Mills, New Orleans, La.
Tennessee Mfg. Co., Nashville, Tenn.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.

2476. OVERCOATINGS.
Ashuelot Mfg. Co., Ashuelot, N. H.
Boundbrook Woolen Mills, Boundbrook, N. J.
Broad Brook Co., Hartford, Conn.
Charlottesville Woolen Mills, Charlottesville, Va.
John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
Thos. Dolan & Co., Hancock St. & Columbia Av., Phila., Pa.
Forest Mills Co., Bridgton, Me.
Germania Mills, Holyoke, Mass.
Harris Woolen Co., Woonsocket, R. I.
Hillsboro' Woolen Mill Co., Hillsboro', N. H.
Lawrence Mills, Lawrence, Mass.
Merrimack Woolen Mills Co., Dracut, Mass.
Middlesex Co., Lowell, Mass.
F. Muhlhauser & Co., Cleveland, O.
National Worsted Mills, Providence, R. I.
Pennsylvania Woolen Co , 246 Chestnut St., Philadelphia, Pa.
Raritan Woolen Mills, Raritan, N. J.
Rawitser & Bro., Stafford Springs, Conn.
Jas. Roy & Co., Schenectady, N. Y.
Somerset Mfg. Co., Raritan, N. J.
Wanskuck Co., Providence, R. I.
Washington Mills Co., Lawrence, Mass.

2477. PERCALES.
Gilbert Mfg. Co., 346 Broadway, New York.
Grinnell Mfg. Co., New Bedford, Mass.
Ponemah Mills Co., Norwich, Conn.

	Slater Cotton Co., Pawtucket, R. I.	*90
2478. PIANO CLOTHS.	I. E. Palmer, Middletown, Conn.	*65
2479. PLAIDS, COTTON.	Alamance Factory, Burlington, N. C.	
	Algernon Mills, Augusta, Ga.	
	Athens Mfg. Co., Athens, Ga.	
	Aurora Cotton Mill, Burlington, N. C.	
	Bellemont Cotton Mills, Burlington, N. C.	
	Brookside Mills, Knoxville, Tenn.	
	Carolina Cotton Mills, Burlington, N. C.	
	S. A. Crozer & Son, Upland, Pa.	
	Cumberland Mills, Cumberland, N. C.	
	Glencoe Mills, Burlington, N. C.	
	C. E. Graham Mfg. Co., Asheville, N. C.	
	Granite Mill, Haw River, N. C.	
	Gwyn-Harper Mfg. Co., Patterson, N. C.	
	E. M. Holt Plaid Mills, Burlington, N. C.	
	Huguenot Mills, Greenville, S. C.	
	King Philip Mills, Fall River, Mass.	
	J. W. Lewis & Co., Chester, Pa.	
	McAden Mills, McAdensville, N. C.	
	Manville Co., Manville, R. I.	
	Mississippi Mills, Wesson, Miss.	
	Monbo Mfg. Co., Monbo, N. C.	
	Naomi Falls Mfg. Co., Randleman, N. C.	
	Nashville Cotton Mills, Nashville, Tenn.	
	Odell Mfg. Co., Concord, N. C.	
	Oneida Cotton Mill, Graham, N. C.	
	Pee Dee Mfg. Co., Rockingham, N. C.	
	Randleman Mfg. Co., Randleman, N. C.	
	Riverside Cotton Mills, Danville, Va.	
	Roberdel Mfg. Co., Rockingham, N. C.	
	Sibley Mfg. Co., Augusta, Ga.	
	Slater Cotton Co., Pawtucket, R. I.	*90
	Social Mfg. Co., Woonsocket, R. I.	
	Swift Mfg. Co., Columbus, Ga.	
	Tuscaloosa Mfg. Co., Tuscaloosa, Ala.	
	J. M. Worth Mfg. Co., Worthville, N. C.	
	York Mfg. Co., Saco, Me.	
2480. PLUSH.	J. A. Campbell & Bro., Manayunk, Philadelphia, Pa.	
	Cheney Bros., S. Manchester, Conn.	
	Detroit Plush Tray & Box Co., 95 Woodward Av., Detroit, Mich.	
	John & James Dobson, 28 N. Front St., Philadelphia, Pa.	
	G. L. Kelty, 475 Keap St., Brooklyn, N. Y.	
	Samuel Fitch & Sons, Rockville, Conn.	
	Manchester Plush Mfg. Co., New Brighton, N. Y.	
	Peerless Plush Mfg. Co., Paterson, N. J.	
	R. & H. Simon, 57 Greene St., New York.	
	Tingue Mfg. Co., Seymour, Conn.	
A. CAR PLUSH.	D. Goff & Sons, Pawtucket, R. I.	
	Sanford Mills, Sanford, Me.	
B. MOHAIR PLUSH.	D. Goff & Sons, Pawtucket, R. I.	
	J. C. Graham & Co., N. 19th & Hamilton Sts., Philadelphia, Pa.	
	Greenhalgh & Wadsworth, Somerset & Hancock Sts., Phila., Pa.	
	Wm. Hunter & Son, 2210 Dickinson St., Philadelphia, Pa.	
	G. L. Kelty, 475 Keap St., Brooklyn, N. Y.	
	Sir Titus Salt, Sons & Co., Bridgeport, Conn.	
C. MOHAIR UPHOLSTERY PLUSH.	J. C. Graham & Co., N. 19th & Hamilton Sts., Philadelphia, Pa.	
	G. L. Kelty, 475 Keap St., Brooklyn, N. Y.	
	Sanford Mills, Sanford, Me.	
	Tingue Mfg. Co., Seymour, Conn.	
D. SILK CLOAK PLUSH.	Cheney Bros., S. Manchester, Conn.	
	Hind & Harrison Plush Co., Clark's Mills, N. Y.	
	Jamestown Plush Mills, Jamestown, N. Y.	
	Manchester Plush Mfg. Co., New Brighton, N. Y.	
	Peerless Plush Mfg. Co., Paterson, N. J.	
	Tingue Mfg. Co., Seymour, Conn.	
	Sir Titus Salt, Sons & Co., Bridgeport, Conn.	
E. SILK UPHOLSTERY PLUSH.	Cheney Bros., S. Manchester, Conn.	
	Greenhalgh & Wadsworth, Somerset & Hancock Sts., Phila., Pa.	
	Jamestown Plush Mills, Jamestown, N. Y.	
	Peerless Plush Mfg. Co., Paterson, N. J.	
	R. & H. Simon, 57 Greene St., New York.	
	Tingue Mfg. Co., Seymour, Conn.	
F. WORSTED PLUSH.	Greenhalgh & Wadsworth, Somerset & Hancock Sts., Phila., Pa.	
	Wm. Hunter & Son, 2210 Dickinson St., Philadelphia, Pa.	
	G. L. Kelty, 475 Keap St., Brooklyn, N. Y.	

2481. PONGEES.
2482. PRINT CLOTHS.

Cheney Bros., S. Manchester, Conn.
Allen's Print Works, Providence, R. I.
American Linen Co., Fall River, Mass.
American Printing Co., Fall River, Mass.
Barnard Mfg. Co., Fall River, Mass.
Blackstone Mfg. Co., Blackstone, Mass.
Boott Cotton Mills, Lowell, Mass.
Border City Mfg. Co., Fall River, Mass.
Burlington Cotton Mills, Burlington, Vt.
Chace Mills, Fall River, Mass.
China Mfg. Co., Pembroke, N. H.
Crompton Co., Warwick, R. I.
Durfee Mills, Fall River, Mass.
Eagle Mill Co., Taunton, Mass.
Eclipse Mill, N. Adams, Mass.
Eddystone Mfg. Co., 128 Chestnut St., Philadelphia, Pa.
Edwards Mfg. Co., Augusta, Me.
Fall River Manufactory, Fall River, Mass.
Fiskdale Mills, Fiskdale, Mass.
Gallup & Houghton, N. Adams, Mass.
Garner & Co., 10 Worth St., New York.
Gloucester Mfg. Co., 125 Chestnut St., Philadelphia, Pa.
Griswold Cotton Mills, Griswold, Conn.
Hamilton Mfg. Co., Lowell, Mass.
Hamilton Woolen Co., 18 Post Office Square, Boston, Mass.
Harmony Mills, Cohoes, N. Y.
Harrison Steam Mill, Providence, R. I.
Hookset Mfg. Co., Hookset, N. H.
Laurel Lake Mills, Fall River, Mass.
Lawrence Mfg. Co., Lowell, Mass.
Manchester Mills, Manchester, N. H.
Mechanics Mills, Fall River, Mass.
Merrimac Mfg. Co., Lowell, Mass.
Millbury Cotton Mills, Millbury, Mass.
Narragansett Mills, Fall River, Mass.
Nashua Mfg. Co., Nashua, N. H.
Natick Mills, River Point, R. I.
New Market Mfg. Co., New Market, N. H.
Nichols & Langworthy, Hopkinton, R. I.
Nottingham Mills, Providence, R. I.
Osborn Mills, Fall River, Mass.
Pacific Mills, Lawrence, Mass.
Passaic Print Works, 110 Leonard St., New York.
Pembroke Mills, Pembroke, N. H.
Ponagansett Co., Scituate, R. I.
Ponemah Mills Co., Norwich, Conn.
Quidnick Mfg. Co., Coventry, R. I.
Ray, Rathburn & Co., Woonsocket, R. I.
Richmond Mfg. Co., Bristol, R. I.
Robeson Mills, Fall River, Mass.
Rochester Cotton Mill, Rochester, N. Y.
Sagamore Mfg. Co., Fall River, Mass.
Wm. Simpson & Sons, 128 Chestnut St., Philadelphia, Pa.
Slater Woolen Co., Webster, Mass.
Stafford Mill, Fall River, Mass.
Tecumseh Mills, Fall River, Mass.
Troy Cotton & Woolen Mfg. Co., Fall River, Mass.
Union Cotton Mfg. Co., Fall River, Mass.
United States Cotton Co., Central Falls, R. I.
Valley Falls Co., Valley Falls, R. I.
Van Alen Cotton Mills, Stuyvesant Falls, N. Y.
Wampanoag Mills, Fall River, Mass.
Webster Mfg. Co., Pembroke, N. H.
Weetamoe Mills, Fall River, Mass.
Wilmington Cotton Mills, Wilmington, N. C.
Windham Cotton Mfg. Co., Willimantic, Conn.

2483. QUILTS.

Allendale Co., Providence, R. I.
Bates Mfg. Co., Lewiston, Me.
Blatner Bros., Albany, N. Y.
Brighton Mills, 541 W. 23d St., New York.
Chicopee Mfg. Co., Chicopee Falls, Mass.
Clarendon Mills, W. Boylston, Mass.
Industry Down & Quilting Co., 432 N. 22d St., Philadelphia, Pa.
Monadnock Mills, Claremont, N. H.
Palmer Bros., Montville, Conn.
Fredk. Rumpf & Bro., Huntingdon & Hancock Sts., Phila., Pa.

Swift Mfg. Co., Columbus, Ga.

A. CROCHET QUILTS.
Avon Mfg. Co., Lewiston, Me.
Monument Mills, Housatonic, Mass.

B. MARSEILLES QUILTS.
Avon Mfg. Co., Lewiston, Me.
Monument Mills, Housatonic, Mass.

2484. REPELLENTS.
Clinton Mills Co., Norwich, Conn.
Dexter Woolen Mills, Dexter, Me.
Forest Mills Co., Bridgton, Me.
John Lonsdale & Sons, Dale, Iowa.
Norwich Woolen Co., Norwich, Conn.
Provo Woolen Mills Co., Provo City, Utah.
Rawitser & Bros., Stafford Springs, Conn.
Robinson Mfg. Co., Oxford, Me.
G. Sidenberg & Co., 49 Mercer St., New York.

2485. RIBBONS.

A. CIGAR RIBBONS.
Jacob New, 76 Greene St., New York.
Pelgram & Meyer, Paterson, N. J.
Wm. Wicke Co., 1st Av. & E. 31st St., New York.
Chas. Wolff & Co., 495 Broadway, New York.

B. GAUZE RIBBONS.
Johnson, Cowdin & Co., Paterson, N. J.

C. SILK RIBBONS.
P. & I. Bannigan, Lake View, N. J.
A. & S. Blumenthal, 210 W. 89th St., New York.
Cheney Bros., S. Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.
Doherty & Wadsworth, Paterson, N. J.
John Erskine & Co., Town of Union, N. J.
Frank & Dugan, Paterson, N. J.
Hamil & Booth, Paterson, N. J.
Helvetia Silk Mills, Paterson, N. J.
Chas. Horn, 70 Mercer St., New York.
Itschner, Werner & Co., 712 Market St., Philadelphia, Pa.
Johnson, Cowdin & Co., Paterson, N. J.
Levy Bros , 214 Av. C, New York.
Jos. Loth & Co., 65 Greene St., New York.
C. E. Meding, Paterson, N. J.
Miesch Mfg. Co., Paterson, N. J.
Jacob New, 76 Greene St., New York.
Paterson Ribbon Co., Paterson, N. J.
Pelgram & Meyer, Paterson, N. J.
Phœnix Mfg. Co., Paterson, N. J.
Pioneer Silk Co., Paterson, N. J.
J. Silberman & Co., Paterson, N. J.
R. & H. Simon, 57 Greene St., New York.
Smith & Kaufman, 73 Grand St., New York.
Springfield Narrow Fabric Co., Springfield, Mass.
Wm. Strange Co., Paterson, N. J.
Sulzbach, Wenige & Rolker, College Point, N. Y.
Sundheimer Bros., 93 Greene St., New York.
Theodore Tietz, Marlborough Mills, Conn.
P. W. Turner & Co., Turnerville, Conn.

2486. SACKINGS.
Cascade Woolen Mills, Oakland, Me.
Talbot Mills, N. Billerica, Mass.

2487. SATEENS.
Acushnet Mills Corporation,, New Bedford, Mass.
Ashland Cotton Co., Jewett City, Conn.
Attawaugen Co., Dayville, Conn.
Briggs Mfg. Co., Voluntown, Conn.
Clarendon Mills, West Boylston, Mass.
Gilbert Mfg. Co., 346 Broadway, New York.
Great Falls Mfg. Co., Great Falls, N. H.
Grinnell Mfg. Co., New Bedford, Mass.
Harrison Steam Mill, Providence, R. I.
King Philip Mills, Fall River, Mass.
Manville Co., Manville, R. I.
C. J. Milne & Sons, Kentmere, Del.
Narragansett Mills, Fall River, Mass.
Pocassett Mfg. Co., Fall River, Mass.
Potomska Mills Corporation, New Bedford, Mass.
Francis Shroder & Co., Lancaster, Pa.
Wm. Simpson & Sons, 128 Chestnut St., Philadelphia, Pa.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.
Wamsutta Mills, New Bedford, Mass.

2488. SATINS.
Cheney Bros., South Manchester, Conn.
Hamil & Booth, Paterson, N. J.
Richardson Silk Co., Belding, Mich.
Wm. Skinner Mfg. Co., Holyoke, Mass.

2489. SATINETS.

John N. Stearns & Co., 68 Greene St., New York.
Agawam Co., Agawam, Mass.
Theo. Bird, Bethlehem, Conn.
Capron Woolen Co., Uxbridge, Mass.
E. W. Chapin, Chapinville, Mass.
Crawford & Tyler, N. Dana, Mass.
Curtis Mfg. Co., Worcester, Mass.
A. G. Dewey Co., Quechee, Vt.
Henry Fox & Co., Urbana, O.
W. E. Hayward & Co., E. Douglass, Mass.
Hopeville Mfg. Co., Worcester, Mass.
Jefferson Mfg. Co., Jeffersonville, Mass.
Maryville Woolen Mills, Maryville, Tenn.
I. Meek, Bonaparte, Iowa.
Missisquoi Woolen Mill, Enosburg Falls, Vt.
Norwich Woolen Co., Norwich, Conn.
J. L. & T. D. Peck Mfg. Co.. Pittsfield, Mass.
Pratt Mfg. Co., Grafton, Mass.
Ray's Woolen Co., 86 Worth St., New York.
C. Reel & Co., Allegheny, Pa.
Taft, McKean & Co., Caryville, Mass.
Vernon Woolen Co., Vernon, Conn.

2490. SEERSUCKERS.

Algernon Mills, Augusta, Ga.
Glasgow Co., S. Hadley Falls, Mass.
Hope Mills Mfg. Co., Hope Mills, N. C.
Palmer Mills, Palmer, Mass.
Slater Cotton Co., Pawtucket, R. I. *90

2491. SERGES.

Cheney Bros., S. Manchester, Conn.
Wm. Simpson & Sons, 128 Chestnut St., Philadelphia, Pa.

2492. SHADE CLOTH.

Atlantic Window Shade Co., Newark, N. J.
C. W. Clark & Son, 613 Market St., Philadelphia, Pa.
Cleveland Window Shade Co., Cleveland, O.
Henry W. Green & Co., 1716 Market St., Philadelphia, Pa.
Manhattan Shade Cloth Co., 456 Broome St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.
Minetto Shade Cloth Co., Minetto, N. Y. *89
Oswego Shade Cloth Co., Oswego, N. Y.
H. Richter, Tenafly, N. J.
J. C. Wemple Co., 537 Broadway, New York.

2493. SHEETINGS.

A. COTTON SHEETINGS.

Acushnet Mills Corporation, New Bedford, Mass.
Alberton Cotton Mills, Alberton, Md.
Amory Mfg. Co., Manchester, N. H.
Anderson Cotton Mills, Anderson, S. C.
Androscoggin Mills, Lewiston, Me.
Anniston Mfg. Co., Anniston, Ala.
Appleton Co., Lowell, Mass.
Arista Mills, Salem, N. C.
Arkadelphia Cotton & Woolen Mills, Arkadelphia, Ark.
Athens Mfg. Co., Athens, Ga.
Atlanta Cotton Mills, Atlanta, Ga.
Barker Mill, Auburn, Me.
Bates Mfg. Co., Lewiston, Me.
Battersea Mfg. Co., Petersburg, Va.
Beaver Creek & Bluff Mills, Fayetteville, N. C.
Beaver Dam Cotton Mills, Beaver Dam, Wis.
Blackstone Mfg. Co., Blackstone, Mass.
Boott Cotton Mills, Lowell, Mass.
Boston Mfg. Co., Waltham, Mass.
Bowen, Jewell & Co., Jewell's, Ga.
Bozrahville Co., Bozrahville, Conn.
Brookside Mills, Knoxville, Tenn.
Cabot Mfg. Co., Brunswick, Me.
Cannon Mfg. Co., Concord, N. C.
Central Mills Co., Southbridge, Mass.
Chadwick Mills Cotton Co., Chadwick Mills, N. Y.
Charleston Cotton Mills, Charleston, S. C.
Chicopee Mfg. Co., Chicopee Falls, Mass.
Clarendon Mills, W. Boylston, Mass.
Clifton Mfg. Co., Clifton, S. C.
Clinton Mfg. Co., Woonsocket, R. I.
Columbia Cotton Mill Co., Columbia, Tenn.
Conanicut Mills, Fall River, Mass.
Continental Mills, Lewiston, Me.
D. E. Converse & Co., Glendale, S. C.
Crown Cotton Mills, Dalton, Ga.

Darlington Mfg. Co., Darlington, S. C.
Dodgeville Mfg. Co., Attleboro', Mass.
Durham Cotton Mfg. Co., E. Durham, N. C.
Dwight Mfg. Co., Chicopee, Mass.
Eagle Cotton Mills Co., Madison, Ind.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Ettrick Mfg. Co., Petersburg, Va.
Evansville Cotton Mig. Co., Evansville, Ind.
Exeter Mfg. Co., Exeter, N. H.
John Farnum & Co., Lancaster, Pa.
Farwell Mills, Lisbon, Me.
Forestdale Mfg. Co., N. Smithfield, R. I.
Fulton Cotton Spinning Co., Atlanta, Ga.
Galveston Cotton & Woolen Mills, Galveston, Tex.
Georgia Mfg. Co., Athens, Ga.
Samuel L. Graham & Son, Pinewood, Tenn.
Graniteville Mfg. Co., Graniteville, S. C.
Great Falls Mfg. Co., Rockingham, N. C.
Great Falls Mfg. Co., Great Falls, N. H.
Greenville Mfg. Co., Greenville, R. I.
Griffin Mfg. Co., Griffin, Ga.
Grinnell Mfg. Co., New Bedford, Mass.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Hamilton Woolen Co., 18 Post Office Square, Boston, Mass.
L. M. Harris & Co., Oakdale, Mass.
Henderson Cotton Mills, Henderson, Ky.
Henrietta Mills, Henrietta, N. C.
Hill Mfg. Co., Lewiston, Me.
Holbrook Milis, W. Boylston, Mass.
Home Cotton Mill Co., 601 S. 4th St., St. Louis, Mo.
Hooksett Mfg. Co., 32 Equitable Building, Boston, Mass.
Hope Co., Hope, R. I.
Huguley Manufacturing Co., West Point, Ga.
Hutcheson Mfg. Co., Banning, Ga.
Indiana Cotton Mills, Cannelton, Ind.
Jackson Co., Nashua, N. H.
King Philip Mills, Fall River, Mass.
John P. King Mfg. Co., Augusta, Ga.
Laconia Co., Biddeford, Me.
Lane Mills, New Orleans, La.
Langley Mfg. Co., Langley, S. C.
Lawrence Mfg. Co., Lowell, Mass.
Lippitt Co., Phenix, R. I.
Lockwood Co., Waterville, Me.
Lonsdale Co., Lincoln, R. I.
Maginnis Cotton Mills, New Orleans, La.
Massachusetts Cotton Mills, Lowell, Mass.
Matoaca Mfg. Co. Petersburg, Va.
May's Landing Water Power Co., May's Landing, N. J.
Millville Mfg. Co., Millville, N. J.
Mississippi Works, Wesson, Miss.
Mohawk Valley Cotton Mills, Utica, N. Y.
Monadnock Mills, Claremont, N. H.
Monohansett Mfg. Co., Putnam, Conn.
Morse Mills, Putnam, Conn.
Nashua Mfg. Co., Nashua, N. H.
Nashville Cotton Mills, Nashvi le, Tenn.
Natchez Cotton Mills Co., Natchez, Miss.
Naumkeag Steam Cotton Co., Salem, Mass.
New Albany Woolen Mills, New Albany, Ind.
Newberry Cotton Mills, Newberry, S. C.
New Market Mfg. Co., New Market, N. H.
Nightingale Mills, Putnam, Conn.
Old Dominion Cotton Mills, Manchester, Va.
Pacolet Mfg. Co., Pacolet, S. C.
Peabody Mills, Newburyport, Mass.
Pelzer Mfg. Co., Pelzer, S. C.
Penn Cotton Mill, Allegheny, Pa.
Pepperell Mfg. Co., Biddeford, Me.
Piedmont Mfg. Co., Piedmont, S. C.
Pittsfield Mills, Pittsfield, N. H.
Pocassett Mfg. Co., Fall River, Mass.
Powhattan Mills, Putnam, Conn.
Putnam Mfg. Co., Putnam, Conn.
Quinebaug Co., Danielsonville, Conn.
Jas. P. & Jos. G. Ray, Woonsocket, R. I.

Reedy River Mfg. Co., Reedy River Factory, S. C.
Riverside Cotton Mills, Danville, Va.
Roswell Mfg. Co., Roswell, Ga.
Roberdel Mfg. Co., Rockingham, N. C.
Francis Shroder & Co., Lancaster, Pa.
Sibley Mfg. Co., Augusta, Ga.
Slater Cotton Co., Pawtucket, R. I. *90
Stark Mills, Manchester, N. H.
Stonewall Mfg. Co., Enterprise, Miss.
Sylvan Mills, Shelbyville, Tenn.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Tennessee Mfg. Co., Nashville, Tenn.
Tombigbee Mills, Columbus, Miss.
Trion Mfg. Co., Trion Factory, Ga.
Tuscaloosa Mfg. Co., Tuscaloosa, Ala.
Utica Steam Cotton Mills, Utica, N. Y.
Wamsutta Mills, New Bedford, Mass.
Windham Cotton Mfg. Co., Willimantic, Conn.
J. M. Worth Mfg. Co., Worthville, N. C.

B. WOOL SHEETINGS.

Fitchburg Duck Mills, Fitchburg, Mass.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Harris Woolen Co., Woonsocket, R. I.
Rockford Woolen Mills Co., Rockford, Ill.

2494. SHIRTINGS.

Anniston Mfg. Co., Anniston, Ala.
Appleton Co., Lowell, Mass.
Atlanta Cotton Mills, Atlanta, Ga.
Battersea Mfg. Co., Petersburg, Va.
Boston Mfg. Co., Waltham, Mass.
Clifton Mfg. Co., Clifton, S. C.
Continental Mills, Lewiston, Me.
S. A. Crozer & Son, Upland, Pa.
Forestdale Mfg. Co., N. Smithfield, R. I.
Great Falls Mfg. Co., Great Falls, N. H.
Grinnell Mfg. Co., New Bedford, Mass.
Hebronville Mfg. Co., Attleboro', Mass.
Hill Mfg. Co., Lewiston, Me.
Jackson Co., Nashua, N. H.
King & Fildes Co., La Porte, Ind.
John P. King Mfg. Co., Augusta, Ga.
Lockwood Co., Waterville, Me.
Manchaug Co., Sutton, Mass.
Maginnis Cotton Mills, New Orleans, La.
Morse Mills, Putnam, Conn.
New Market Mfg. Co, New Market, N. H.
New York Mills, New York Mills, N. Y.
Nightingale Mills, Putnam, Conn.
Pelzer Mfg. Co., Greenville, S. C.
Pittsfield Mills, Pittsfield, N. H.
Quinebaug Co., Danielsonville, Conn.
Ray, Rathburn & Co., Woonsocket, R. I.
Sibley Mfg. Co., Augusta, Ga.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.
Tennessee Mfg. Co., Nashville, Tenn.
Utica Steam Cotton Mills, Utica, N. Y.
Warren Cotton Mills, W. Warren, Mass.
Warren Mfg. Co., Warren, R. I.
Whitin Bros., Whitinsville, Mass.

A. COTTON SHIRTINGS.

Androscoggin Mills, Lewiston, Me.
Arista Mills, Salem, N. C.
Atlanta Cotton Mills, Atlanta, Ga.
Atlantic Cotton Mills, Lawrence, Mass.
Barker Mills, Auburn, Me.
Boott Cotton Mills, Lowell, Mass.
Bowen, Jewell & Co., Jewell's, Ga.
Charleston Cotton Mills, Charleston, S. C.
Columbian Mfg. Co., Greenville, N. H.
D. E. Converse & Co., Glendale, S. C.
Durham Cotton Mfg. Co., Durham, N. C.
Dwight Mfg. Co., Chicopee, Mass.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Exeter Mfg. Co., Exeter, N. H.
Georgia Mfg. Co., Athens, Ga.
Greenville Mfg. Co., Greenville, R. I.
Grinnell Mfg. Co., New Bedford, Mass.
Henrietta Mills, Henrietta, N. C.

W. P. Hewitt & Co., Menasha, Wis.
Jackson Mill Co., Fiskville, R. I
King Philip Mills, Fall River, Mass.
Laconia Co., Biddeford, Me.
Lane Mills, New Orleans, La.
Langley Mfg. Co., Langley, S. C.
Lawrence Mfg. Co., Lowell, Mass.
Massachusetts Cotton Mills, Lowell, Mass.
Matoaca Mfg. Co., Petersburg, Va.
Mays Landing Water Power Co., Mays Landing, N. J.
Millville Mfg. Co., Millville, N. J.
Mississippi Works, Wesson, Miss.
Nashua Mfg. Co., Nashua, N. H.
Natchez Cotton Mills Co., Natchez, Miss.
Newberry Cotton Mills, Newberry, S. C.
New High Shoals Mfg. Co., High Shoals, Ga.
Old Dominion Cotton Mills, Manchester, Va.
Peabody Mills, Newburyport, Mass.
Pelzer Mfg. Co., Pelzer, S. C.
Pepperell Mfg. Co., Biddeford, Me.
Piedmont Mfg. Co., Piedmont, S. C.
Pioneer Mill, Memphis, Tenn.
Pocasset Mfg. Co., Fall River, Mass.
Roswell Mfg. Co., Roswell, Ga.
Francis Shroder & Co., Lancaster, Pa.
Slater Cotton Co., Pawtucket, R. I. *90
Switt, Hamberger & Co., Waynmanville, Ga.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Taylor Mfg. Co., Reynolds, Ga.
Thorndike Co., Thorndike, Mass.
Tombigbee Mills, Columbus, Miss
Trion Mfg. Co., Trion Factory, Ga.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.
Wamsutta Mills, New Bedford, Mass.
Whitney Mfg. Co., Spartanburg, S. C.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

B. FANCY SHIRTINGS.
Haile Frost Co., Hinsdale, N. H.
W. P. Hewitt & Co., Menasha, Wis.
Slater Cotton Co., Pawtucket, R. I. *90
M. T. Stevens & Sons, N. Andover, Mass.
Whittenton Mfg. Co., Taunton, Mass.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

2495. SILESIAS.
Saratoga Victory Mfg. Co., Victory Mills, N. Y.
Slater Cotton Co., Pawtucket, R. I. *90

A. FRILLED SILESIAS.
Lonsdale Co., Lincoln, R. I.

2496. SILKS.

A. BROAD SILKS.
Ashley & Bailey, Paterson, N. J.
P. & I. Bannigan, Lake View, N. J.
Belding Bros. & Co., Belding, Mich.
Cheney Bros., S. Manchester, Conn.
Clifton Silk Mills, Town of Union, N. J.
Dexter, Lambert & Co., Paterson, N. J.
Doherty & Wadsworth, Paterson, N. J.
Grimshaw Bros., Paterson, N. J.
Hamil & Booth, Paterson, N. J.
Hess, Goldsmith & Co., Paterson, N. J.
Naef Bros. & Co., Paterson, N. J.
Paragon Silk Co., Paterson, N. J.
Phœnix Mfg. Co., Paterson, N. J.
W. Strange Co., Paterson, N. J.
Theodore Tietz, Marlborough Mills, Conn.

B. BROCADED DRESS SILKS.
Cheney Bros., S. Manchester, Conn.
Phœnix Mfg. Co., Paterson, N. J.
John N. Stearns & Co., 68 Greene St., New York.

C. DRESS SILKS.
R. & H. Adams, Paterson, N. J.
Brainerd & Armstrong Co., New London, Conn.
O. S. Chaffee & Son, Mansfield Centre, Conn.
Cheney Bros., S. Manchester, Conn.
John D. Cutter & Co., Bethlehem, Pa.
Dexter, Lambert & Co., Paterson, N. J.
Doherty & Wadsworth, Paterson, N. J.
Hamil & Booth, Paterson, N. J.
Pelgram & Meyer, Paterson, N. J.
Pioneer Silk Co., Paterson, N. J.
Sauquoit Silk Mfg. Co., Sauquoit, N. Y.
R. & H. Simon, 57 Greene St., New York.

William Skinner Mfg. Co., Holyoke, Mass.
John N. Stearns & Co., 68 Greene St., New York.
Wm. Strange Co., Paterson, N. J.

D. FANCY SILKS.
R. & H. Adams, Paterson, N. J.
Cheney Bros., S. Manchester, Conn.
Clifton Silk Mills, Town of Union, N. J.
John N. Stearns & Co., 68 Greene St., New York.

E. FRINGE SILKS.
Sauquoit Silk Mfg. Co., Sauquoit, N. Y.

F. GROS GRAIN SILKS.
Cheney Bros., S. Manchester, Conn.
John D. Cutter & Co., Bethlehem, Pa.
R. & H. Simon, 57 Greene St., New York.
John N. Stearns & Co., 68 Greene St., New York.

G. MILLINERY SILKS.
Doherty & Wadsworth, Paterson, N. J.
Hamil & Booth, Paterson, N. J.

H. ORGANZINE SILK.
Belding Bros. & Co., Belding, Mich.
Belmont Silk Mills, Hawley, Pa.
Cheney Bros., S. Manchester, Conn.
Naef Bros. & Co., Paterson, N. J.
Neuburger Silk Co., Paterson, N. J.

I. PRINTED SILKS.
Cheney Bros., S. Manchester, Conn.

J. RAW SILK.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.
Cheney Bros., S. Manchester, Conn.

K. SILK MIXTURES.
W. E. Delabarre & Co., Conway, Mass.
Dexter Woolen Mills, Dexter, Me.

L. SURAH SILKS.
Belding Bros. & Co., Belding, Mich.
Hamil & Booth, Paterson, N. J.
R. & H. Simon, 57 Greene St., New York.
William Skinner Mfg. Co., Holyoke, Mass.
John N. Stearns & Co., 68 Greene St., New York.

M. UPHOLSTERY SILKS.
Brussels Tapestry Co., Ardsley, N. Y.
Cheney Bros., S. Manchester, Conn.
G. W. Fulton & Co., Paterson, N. J.
Wm. Robertson, Paterson, N. J.

2497. SKIRTINGS.
J. & B. Allen, Germantown, Philadelphia, Pa.
Crawford & Tyler, N. Dana, Mass.
Davenport Woolen Mills Co., Davenport, Iowa.
Griffin Mfg. Co., Griffin, Ga.
Jamestown Woolen Mills, Jamestown, N. Y.
Warren Cotton Mill, W. Warren, Mass.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.

2498. STRIPES, PENITENTIARY.
Hamilton Mfg. Co., Lowell, Mass.
Tennessee Woolen Mills, McMunnville, Tenn.

2499. SUITINGS, COTTON.
Arasapha Mfg. Co., Chester, Pa.
Columbian Mfg. Co., Greenville, N. H.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Falls Co., Norwich, Conn.
Hamilton Mfg. Co., Lowell, Mass.
E. M. Holt Plaid Mills, Burlington, N. C.
Jewett City Mill, Jewett City, Conn.
King Philip Mills, Fall River, Mass.
Lehigh Mills Co., S. Easton, Pa.
J. W. Lewis & Co., Chester, Pa.
Mississippi Works, Wesson, Miss.
New High Shoals Mfg. Co., High Shoals, Ga.
Oneida Cotton Mill, Graham, N. C.
Pee Dee Mfg. Co., Rockingham, N. C.
Pemberton Co., Lawrence, Mass.
Samuel Riddle & Son, Glen Riddle, Pa.
Randleman Mfg. Co., Randleman, N. C.
Slater Cotton Co., Pawtucket, R. I. *90
Tennessee Mfg. Co., Nashville, Tenn.
Thorndike Co., Thorndike, Mass.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.
Wm. Whitaker & Sons, 203 Church St., Philadelphia, Pa.

2500. TABLE COVERS.
Aramingo Mills, Frankford, Philadelphia, Pa.
Brussels Tapestry Co., Ardsley, N. Y.
D. Curtis' Sons, Woodbury, Conn.
Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.
Hoyle, Harrison & Kaye, Oriana St. cor. Lehigh Av., Phila., Pa.
J. H. A. Klauder & Co., 195 Huntington St., Philadelphia, Pa.
T. F. Kraemer & Co., 105 E. 14th St., New York.
Robt. Lewis, Somerset cor. Hancock Sts., Philadelphia, Pa.

A. CHENILLE TABLE COVERS.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.
A. Binnis, 1926 Taylor St., Philadelphia, Pa.
Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.

	Hoyle, Harrison & Kaye, Lehigh Av. c. Oriana St., Phila., Pa.
	Stead & Miller, 401 Cambria St., Philadelphia, Pa.
B. RAW SILK TABLE COVERS.	Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
	Cameron & Zimmerman, 2011 Ella St., Philadelphia, Pa.
C. SILK TABLE COVERS.	Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
	Cameron & Zimmerman, 2011 Ella St., Philadelphia, Pa.
	Hoyle, Harrison & Kaye, Oriana St. cor. Lehigh Av., Phila., Pa.
	Philadelphia Tapestry Mills, 240 Church St., Philadelphia, Pa.
D. TAPESTRY TABLE COVERS.	Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
	Brussels Tapestry Co., Ardsley, N. Y.
	Cameron & Zimmerman, 2011 Ella St., Philadelphia, Pa.
	J. C. Graham & Co., N. 19th & Hamilton Sts., Philadelphia, Pa.
E. TURKEY RED TABLE COVERS.	Frederick Rumpf & Bro., Huntingdon & Hancock Sts., Phila., Pa.
2501. TAPES.	Joseph Adamson & Co., 1652 Germantown Av., Phila., Pa.
	Hutchins Narrow Fabric Co., Worcester, Mass.
	John J. Kenyon, Pawtucket, R. I.
	Pawtucket Tape Co., Pawtucket, R. I.
	Silver Lake Co., Newtonville, Mass.
	John Sullivan & Sons, 902 Montgomery Av., Philadelphia, Pa.
A. COTTON TAPES.	C. H. Hutchins & Co., Worcester, Mass.
	John J. Kenyon, Pawtucket, R. I.
	John Sullivan & Sons, 902 Montgomery Av., Philadelphia, Pa.
	H. M. Witter & Co., Worcester, Mass.
B. SILK TAPES.	John Sullivan & Sons, 902 Montgomery Av., Philadelphia, Pa.
	Wm. Wicke Co., 1st Av. & E. 31st St., New York.
C. SKIRT TAPES.	Russell Mfg. Co., Middletown, Conn.
2502. TAPESTRIES.	G. Brooks & Son, 55th St. & Westminster Av., Philadelphia, Pa.
	Brussels Tapestry Co., Ardsley, N. Y.
	J. C. Graham & Co., N. 19th & Hamilton Sts., Philadelphia, Pa.
	Wm. Hunter & Son, 2210 Dickinson St., Philadelphia, Pa.
	Oldham Mills, Paterson, N. J.
2503. TARLATANS.	R. & H. Adams, Paterson, N. J.
	Andrew McLean & Co., Paterson, N. J.
	James Thompson & Co., Valley Falls, N. Y.
2504. TERRY CLOTH.	Star & Crescent Mills Co., Lehigh Av. & Hancock St., Phila., Pa.
2505. THREADS.	
A. CARPET CHAINS.	Globe Yarn Mills, Fall River, Mass.
	Penn. Cotton Mills, Allegheny, Pa.
B. CORSET TWINE.	Elizabethport Cordage Co., Elizabethport, Conn.
C. EMBROIDERY COTTON.	Greene & Daniels Mfg. Co., Central Falls, R. I.
D. FLAX THREADS.	Barbour Flax Spinning Co., Paterson, N. J.
	Marshall & Co., Kearney, N. J.
	Smith & Dove Mfg. Co., Andover, Mass.
E. GILL THREADS.	Barbour Flax Spinning Co., Paterson, N. J.
	Marshall & Co., Kearney, N. J.
F. HEMP THREADS.	Marshall & Co., Kearney, N. J.
G. KNITTING COTTON.	Bibb Mfg. Co., Macon, Ga.
	Carolina Cotton Mills, Burlington, N. C.
	Charlotte Cotton Mills, Charlotte, N. C.
	Columbia Mfg. Co., Columbia Factory, N. C.
	Dexter Yarn Co., Pawtucket, R. I.
	Gold Medal Braid Co., Attleboro' Falls, Mass.
	Howard Mfg. Co., 97 Monument St., Charlestown, Mass.
	Morse & Kaley Mfg. Co., Milford, N. H.
	Oakdale Mfg. Co., Jamestown, N. C.
	Ravine Mills Co., Vernon, Conn.
	Tallassee Falls Mfg. Co., Tallassee, Ala.
H. LINEN THREADS.	Barbour Flax Spinning Co., Paterson, N. J.
	A. B. Burleson & Co., Jewett City, Conn.
	Cable Flax Mills, Schaghticoke, N. Y.
	Finlayson, Bousfield & Co., N. Grafton, Mass.
	Marshall & Co., Kearney, N. J.
	W. Warren Thread Works, Westfield, Mass.
I. SEAMING THREADS.	Barbour Flax Spinning Co., Paterson, N. J.
	Hadley Co., Holyoke, Mass.
	Marshall & Co., Kearney, N. J.
	W. Warren Thread Works, Westfield, Mass.
J. SEWING THREADS.	Druid Mills Co., Baltimore, Md. *88
	Nashville Cotton Mills, Nashville, Tenn.
	Tuskaloosa Mfg. Co., Tuskaloosa, Ala.
K. SHOE THREADS.	Barbour Flax Spinning Co., Paterson, N. J.
	Gardiner Hall, Jr. & Co., S. Willington, Conn.
	Hadley Co., Holyoke, Mass.
	Marshall & Co., Kearney, N. J.
	Ross, Turner & Co., 31 Otis St., Boston, Mass.

Smith & Dove Mfg. Co., Andover, Mass.
Willimantic Linen Co., Willimantic, Conn.

L. SHOE THREADS, LINEN.
Barbour Bros. Co., 218 Church St., New York.
Cable Flax Mills, Schaghticoke, N. Y.
Finlayson, Bousfield & Co., N. Grafton, Mass.
Marshall & Co., Kearney, N. J.
W. Warren Thread Works, Westfield, Mass.

M. SPOOL COTTON.
Barstow Thread Co., Providence, R. I.
Canoe River Mills, Taunton, Mass.
Jas. Chadwick & Bro., Bridgeport, Conn.
Clark Mile End Spool Cotton Co., Harrison, N. J.
Clark Thread Co., Newark, N. J.
Columbia Mfg. Co., Columbia Factory, N. C.
Conant Thread Co., Pawtucket, R. I.
Eagle & Phenix Mfg. Co., Columbus, Ga.
Elizabeth Mills, Hills Grove, R. I.
Greene & Daniels Mfg. Co., Central Falls, R. I.
Hadley Co., Holyoke, Mass.
John J. Kenyon, Pawtucket, R. I.
Kerr Thread Co., Harrison, N. J.
Lebanon Mill Co., Pawtucket, R. I.
Linge Mfg. Co., Greenville, N. J.
Merrick Thread Co., Holyoke, Mass.
Moodus Yarn Co., Moodus, Conn.
National Thread Co., Mansfield Centre, Conn.
Oakdale Mfg. Co., Jamestown, N. C.
Ravine Mills Co., Vernon, Conn.
Russell Mfg. Co., Middletown, Conn.
Stafford Mfg. Co., Central Falls, R. I.
Tallassee Falls Mfg. Co., Tallassee, Ala.
W. Warren Thread Works, Westfield, Mass.
Willimantic Linen Co., Willimantic, Conn.
Wilmington Mills, Wilmington, Del.

N. TRAM TWIST.
Belding Bros. & Co., Belding, Mich.
B. Hooley & Son, 428 N. 13th St., Philadelphia, Pa.

O. WHIP THREADS.
Camden Thread Co., 3 Bank St., Philadelphia, Pa.
W. Warren Thread Works, Westfield, Mass.

2506. THREADS, SILK.

A. BUTTON HOLE TWIST.
Belding Bros. & Co., Belding, Conn.
Brainerd & Armstrong Co., New London, Conn.
L. D. Brown & Son, Middletown, Conn.
John D. Cutter & Co., Bethlehem, Pa.
Eureka Silk Mfg. Co., 131 Kingston St., Boston, Mass.
Hammond, Knowlton & Co., Putnam, Conn.
Oneida Community, Ltd., Community, N. Y.
Richardson Silk Co., Belding, Mich.
Winsted Silk Co., W. Winsted, Conn.

B. CROCHETING SILK.
Belding Bros. & Co., Belding, Mich.
Brainerd & Armstrong Co., New London, Conn.
Eureka Silk Co., 104 Arch St., Boston, Mass.
Hemingway & Bartlett Silk Co., Watertown, Conn.

C. EMBROIDERY SILKS.
Belding Bros. & Co., Belding, Mich.
Brainerd & Armstrong Co., New London, Conn.
John D. Cutter & Co., Bethlehem, Pa.
Hemingway & Bartlett Silk Co., Watertown, Conn.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Nonotuck Silk Co., Florence, Mass.
Oneida Community, Ltd., Oneida, N. Y.
Richardson Silk Co., Belding, Mich.
Unicorn Silk Mfg. Co., Catasauqua, Pa.
Winsted Silk Co., W. Winsted, Conn.

D. ETCHING SILKS.
Belding Bros. & Co., Belding, Mich.
Brainerd & Armstrong Co., New London, Conn.
Nonotuck Silk Co., Florence, Mass.

E. FILLING SILKS.
Belding Bros. & Co., Belding, Mich.
Brainerd & Armstrong Co., New London, Conn.
M. Hemingway & Sons Silk Co., Watertown, Conn.
Wm. H. Horstmann & Sons, 5th & Cherry Sts., Phila., Pa.
Nonotuck Silk Co., Florence, Mass.

F. KNITTING SILKS.
Belding Bros. & Co., Belding, Mich.
Brainerd & Armstrong Co., New London, Conn.
Eureka Silk Mfg. Co., 131 Kingston St., Boston, Mass.
Hemingway & Bartlett Silk Co., Watertown, Conn.
Wm. H. Horstman & Sons, N. 5th & Cherry Sts., Phila., Pa.
Marshall & Co., Kearney, N. J.
Nonotuck Silk Co., Florence, Mass.

	Richardson Silk Co., Belding, Mich.
	Unicorn Silk Mfg. Co., Catasauqua, Pa.
G. MACHINE TWIST.	Ætna Silk Co., Norfolk, Conn.
	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong Co., New London, Conn.
	L. D. Brown & Son, Middletown, Conn.
	John D. Cutter & Co., Bethlehem, Pa.
	Eureka Silk Mfg. Co., 131 Kingston St., Boston, Mass.
	W. B. Hackenburg & Co., 25 N. 3d St., Philadelphia, Pa.
	Hammond, Knowlton & Co., Putnam, Conn.
	M. Heminway & Sons Silk Co., Watertown, Conn.
	Holland Mfg. Co., Willimantic, Conn.
	Leonard Silk Co., Warehouse Point, Conn.
	Nonotuck Silk Co., Florence, Mass.
	Oneida Community, Ltd., Community, N. Y.
	Richardson Silk Co., Belding, Mich.
	Wm. Skinner Mfg. Co., Holyoke, Mass.
	P. W. Turner & Co., Turnerville, Conn.
	Unicorn Silk Mfg. Co., Catasauqua, Pa.
	Winsted Silk Co., W. Winsted, Conn.
H. OUTLINE SILKS.	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong Co , New London, Conn.
	M. Heminway & Sons Silk Co., Watertown, Conn.
I. PURSE TWIST.	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong Co., New London, Conn.
J. QUILL EMBROIDERY SILKS.	Brainerd & Armstrong Co., New London, Conn.
K. ROPE SILKS.	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong Co., New London, Conn.
	Eureka Silk Mfg. Co., 131 Kington St., Boston, Mass.
	Nonotuck Silk Co., Florence, Mass.
L. SILK CORD.	Belding Bros. & Co., Belding, Mich.
	Adolph S. Ellison & Co., 103 Greene St., New York.
	Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
	Maurice O'Brien & Son, 812 Broadway, New York.
	M. Seckel & Co., 15 Mercer St., New York.
	Schloss & Sons, 15 Mercer St., New York.
M. SILK FLOSS.	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong Co., New London, Conn.
	Nonotuck Silk Co., Florence, Mass.
	Wm. Skinner Mfg. Co., Holyoke, Mass.
	Winsted Silk Co., W. Winsted, Conn.
N. SPOOL SILKS.	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong, New London, Conn.
	L. D. Brown & Son, Middletown, Conn.
	John D. Cutter & Co., Bethlehem, Pa.
	John Dunlop, Spring Valley, N. J.
	Eureka Silk Mfg. Co., 131 Kingston St., Boston, Mass.
	Griswold Worsted Co., Ltd., Danville, Pa.
	W. B. Hackenburg & Co., 25 N. 3d St., Philadelphia, Pa.
	Hammond, Knowlton & Co., Putnam, Conn.
	M. Heminway & Sons Silk Co., Watertown, Conn.
	Holland Mfg. Co., Willimantic, Conn.
	Leonard Silk Co., Warehouse Point, Conn.
	Nonotuck Silk Co., Florence, Mass.
	Oneida Community, Ltd , Community, N. Y.
	Richardson Silk Co., Belding, Mich.
	Ross, Turner & Co., 31 Otis St.. Boston, Mass.
	Wm. Skinner Mfg. Co., Holyoke, Mass.
	Warner Thread Works, Westfield, Mass.
O. SPUN SILKS.	Belding Bros. & Co., Belding, Mich.
	Cheney Bros., S. Manchester, Conn.
	Griswold Worsted Co., Ltd., Darby, Pa.
P. THROWN SILKS.	Belding Bros. & Co., Belding, Mich.
	Cheney Bros., S. Manchester, Conn.
	Dexter, Lambert & Co., Paterson, N. J.
	B. Hooley & Son, 432 N. 13th St., Philadelphia, Pa.
	Neuburger Silk Co., Paterson, N. J.
	William Skinner Mfg. Co., Holyoke, Mass.
Q. TRAM SILKS.	Belding Bros. & Co., Belding, Mich.
	Belmont Silk Mills, Hawley, Pa.
	Cheney Bros., S. Manchester, Conn.
	Neuburger Silk Co., Paterson, N. J.
	Sauquoit Silk Mfg. Co., Sauquoit, N. Y.
R. WASH SILKS.	Belding Bros. & Co., Belding, Mich.
	Brainerd & Armstrong Co., New London, Conn.
	John D. Cutter & Co., Bethlehem, Pa.

Wm. H. Horstmann & Sons, 5th & Cherry Sts., Philadelphia, Pa.
Nonotuck Silk Co., Florence, Mass.
Richardson Silk Co., Belding, Mich.

2507. TICKINGS.

Amoskeag Mfg. Co., Manchester, N. H.
Arasapha Mfg. Co., Chester, Pa.
Columbian Mfg. Co., Greenville, N. H.
Cordis Mills, Millbury, Mass.
John G. Carruth & Co., Howard & Huntington Sts., Phila., Pa.
Falls Co., Norwich, Conn.
John Farnum & Co., Lancaster, Pa.
Glover & Willcomb, 36 Canal St., Boston, Mass.
Griffin Mfg. Co., Griffin, Ga.
Hamilton Mfg. Co., Lowell, Mass.
Jewett City Mill, Jewett City, Conn.
Lehigh Mills Co., S. Easton, Pa.
Lewiston Mill Co., Lewiston, Me.
McAden Mills, McAdensville, N. C.
C. J. Milne & Sons, Kentmere, Del.
Patterson Mills Co., Chester, Pa.
Pemberton, Co., Lawrence, Mass.
Samuel Riddle & Co., Glen Riddle, Pa.
Shetucket Co., Norwich, Conn.
Sibley Mfg. Co., Augusta, Ga.
John W. Slater, Slatersville, R. I.
Tennessee Mfg. Co., Nashville, Tenn.
Thorndike Co., Thorndike, Mass.
David Trainer & Sons Mfg. Co., Trainersville, Pa.
Warren Cotton Mill, W. Warren, Mass.
Wm. Whitaker & Sons, 203 Church St., Philadelphia, Pa.
Whittenton Mfg. Co., Taunton, Mass.

2508. TIDIES.

Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.
Robt. Lewis, Somerset, cor. Hancock Sts., Philadelphia, Pa.
Star & Crescent Mills Co., Lehigh Av. & Hancock St., Phila., Pa.

2509. TOWELS.

Bates Mfg. Co., Lewiston, Me.
Leech & Noska, Manayunk, Philadelphia, Pa.
W. C. Plunkett & Sons, Adams, Mass.
Swift Mfg. Co., Columbus, Ga.

A. COTTON TOWELS.

McAden Mills, McAdensville, N. C.
Mississippi Works, Wesson, Miss.
Odell Mfg. Co., Concord, N. C.

B. LINEN CRASH TOWELS.

Eau Claire Linen Co., Eau Claire, Wis.
A. D. Flemming & Co., Appleton, Wis.
Stevens Linen Works, Webster, Mass.

C. TURKISH TOWELS.

Avon Mfg. Co., Lewiston, Me.
J. A. Campbell & Bro., Manayunk, Pa.
Eau Claire Linen Co., Eau Claire, Wis.
Oriental Mills, Providence, R. I.
Star & Crescent Mills Co., Lehigh Av. & Hancock St., Phila., Pa.

2510. TRICOTS.

Geo. L. Balcom, Claremont, N. H.
Beaver Dam Woolen Mills, Beaver Dam, Wis.
Rhodes Bros., Aston Mills, Pa.
Slater Woolen Co., Webster, Mass.
Talbot Mills, N. Billerica, Mass.

2511. TRIMMINGS.

A. CLOAK TRIMMINGS.

A. S. Ellison & Co., 103 Greene St., New York.
J. B. Gardner's Sons, Ansonia, Conn.
E. H. Godshalk Co., 86 Worth St., New York.
J. C. Graham & Co., N. 19th & Hamilton Sts., Phila., Pa.
M. W. Lipper & Co., 317 Gardner St., Philadelphia, Pa.
John H. Vogt, 270 Bowery, New York.

B. COTTON TRIMMINGS.

A. S. Ellison & Co., 103 Greene St., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
John H. Vogt, 270 Bowery, New York.
A. Ziegler, 98 Arch St., Boston, Mass.

C. DRESS TRIMMINGS.

Jas. Caven, N. 13th & Noble Sts., Philadelphia, Pa.
A. S. Ellison & Co., 103 Greene St., New York.
E. H. Godshalk Co., 86 Worth St., New York.
J. C. Graham & Co., N. 19th & Hamilton Sts., Phila., Pa.
Hertlein & Schlatter, 31 Mercer St., New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Phila., Pa.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.
John H. Vogt, 270 Bowery, New York.

D. MILLINERY TRIMMINGS.

Advena & Trankle, Montgomery Av. & N. 12th St., Phila., Pa.

A. S. Ellison & Co., 103 Greene St., New York.
Kaufman Bros. & Co., 401 Race St., Philadelphia, Pa.
Hugo Maul & Co., 19 Bond St., New York.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
John H. Vogt, 270 Bowery. New York.

E. SILK DRESS TRIMMINGS.
John Deppler & Son, 134 Greene St., New York.
A. S. Ellison & Co., 103 Greene St., New York.
A. B. Fiedler & Son, 187 5th Av., Chicago, Ill.
Fiedler, Moeldner & Co., 13 Chauncy St., Boston, Mass.
E. H. Godshalk Co., 86 Worth St., New York.
J. C. Graham & Co., 19th & Hamilton Sts., Phila., Pa.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Phila., Pa.
Kaufman Bros. & Co., 401 Race St., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
H. Maul & Co., 19 Bond St., New York.
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.

F. SILK TRIMMINGS,
Belding Bros. & Co., Belding, Mich.
James Caven, 13th & Noble Sts., Philadelphia, Pa.
A. S. Ellison & Co., 103 Greene St., New York.
E. H. Godshalk Co., 86 Worth St., New York.
J. C. Graham & Co., N. 19th & Hamilton Sts., Phila., Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
August Moll, 235 Lynch St., Brooklyn, N. Y.
Schloss & Sons, 15 Mercer St., New York.
A. Ziegler, 98 Arch St., Boston, Mass.

G. WORSTED TRIMMINGS.
A. S. Ellison & Co., 103 Greene St., New York.
J. C. Graham & Co., N. 19th & Hamilton Sts., Phila., Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
John H. Vogt, 270 Bowery, New York.
A. Ziegler, 98 Arch St., Boston, Mass.

2512. TWEEDS.
Albany Woolen Mills Co., Albany, Oregon.
Cedarburg Woolen Mills, Cedarburg, Wis.
James Irving & Son, Chester, Pa.
Jefferson Woolen Mills, Jefferson, Wis.
Geo. McFarland & Co., Gulf Mills, Pa.
Marysville Woolen Mill, Marysville, Cal.
I. Meek, Bonaporte, Iowa.
Porter Mfg. Co., Clarkesville, Ga.

2513. TWILLS.
Acushnet Mills Corporation, New Bedford, Mass.
Alcorn Woolen Mfg. Co., Corinth, Miss.
Ashland Cotton Co., Jewett City, Conn.
Attawaugan Co., Dayville, Conn.
Bozrahville Co., Bozrahville, Conn.
Briggs Mfg. Co., Voluntown, Conn.
J. P. Campbell & Co., Providence, R. I.
Dyerville Mfg. Co., Providence, R. I.
Grinnell Mfg. Co., New Bedford, Mass.
Hill Mfg. Co., Lewiston, Me.
King Philip Mills, Fall River, Mass.
Manville Co., Manville, R. I.
Powhattan Mills, Putnam, Conn.
Salmon Falls Mfg. Co., Rollinsford, N. H.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.

A. COTTON TWILLS.
Ashland Cotton Co., Jewett City, Conn.
Grinnell Mfg. Co., New Bedford, Mass.
King Philip Mills, Fall River, Mass.
Slater Cotton Co., Pawtucket, R. I. *90
Windham Cotton Mfg. Co., Willimantic, Conn.

B. FANCY TWILLS.
Grinnell Mfg. Corporation, New Bedford, Mass.
Slater Cotton Co., Pawtucket, R. I. *90

C. SILK TWILLS.
Ashley & Bailey, Paterson, N. J.
Cheney Bros., S. Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.
Grimshaw Bros., Paterson, N. J.
Hess, Goldsmith & Co., Paterson, N. J.
Naef Bros. & Co., Paterson, N. J.
Paragon Silk Co., Paterson, N. J.

2514. UMBRELLA CLOTH.
Ashland Cotton Co., Jewett City, Conn.
May's Landing Water Power Co., May's Landing, N. J.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.

2515. UNIFORM CLOTHS.
Burlington Woolen Co., Winooski, Vt.
Charlottesville Woolen Mills, Charlottesville, Va.

2516. UPHOLSTERY GOODS.
Bromley Mfg. Co., Lehigh Av. n. N. Front St., Philadelphia, Pa.
Geo. Brooks & Son, 55th St. & Westminster Av., Philadelphia, Pa.

Brussels Tapestry Co., Ardsley, N. Y.
Jas. Caven, N. 13th & Noble Sts., Philadelphia, Pa.
D. Goff & Sons, Pawtucket, R. I.
J. C. Graham & Co., N. 19th & Hamilton Sts., Philadelphia, Pa.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
Hoyle, Harrison & Kaye, Oriana St. & Lehigh Av., Phila., Pa.
Wm. Hunter & Son, 2210 Dickinson St., Philadelphia, Pa.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.
Robert Lewis, Somerset & Hancock Sts., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Pottier, Stymus & Co., 375 Lexington Av., New York.
Stead & Miller, 401 Cambria St., Philadelphia, Pa.

A. SILK UPHOLSTERY GOODS.
Geo. Brooks & Son, 55th St. & Westminster Av., Philadelphia, Pa.
Brussels Tapestry Co., Ardsley, N. Y.
Cheney Bros., S. Manchester, Conn.
Hoyle, Harrison & Kaye, Oriana St. & Lehigh Av., Phila., Pa.
G. L. Kelty & Co., 475 Keap St., Brooklyn, N. Y.
Stead & Miller, 401 Cambria St., Philadelphia, Pa.

2517. VEILINGS.
Peter Caspers, Paterson, N. J.
Enterprise Silk Co., Paterson, N. J.
Jacob Frisch, Paterson, N. J.
Samuel Lucas, Paterson, N. J.
G. Sidenberg & Co., 49 Mercer St., New York.

2518. VELOURS.
Beattie Mfg. Co., Little Falls, N. J.
Cheney Bros., S. Manchester, Conn.
Sanford Mills, Sanford, Me.

2519. VELVETS.
Cheney Bros., S. Manchester, Conn.
Crompton Co., Warwick, R. I.
John & James Dobson, 28 N. Front St., Philadelphia, Pa.
Manchester Plush Mfg. Co., New Brighton, N. Y.

2520. WARPS.

A, BLANKET WARPS.
Royal River Mfg. Co., Yarmouth, Me.

B. CARPET WARPS.
Bibb Mfg. Co., Macon, Ga.
John T. Currier & Co., Paris, Tenn.
Georgia Mfg. Co., Athens, Ga.
Graham's Cotton Mills, Rockford, Ill.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Lane Mills, New Orleans, La.
Laurel Hill Mfg. Co., Strathmore, Tenn.
Mount Ida Mfg. Co., Troy, N. Y.
Mount Verd Mills Co., Mount Verd, Tenn.
Nashville Woolen Mills Co., Nashville, Tenn.
Ossawan Mills Co., Norwich, Conn. *65
Henry Pearce's Sons, 114 W. 2d St., Cincinnati, O.
Riverside Mills, Augusta, Ga.
Rosedale Mfg. Co., West Point, Ga.
Tennessee Mfg. Co., Nashville, Tenn.

C. CHAIN WARPS.
City Mfg. Corporation, New Bedford, Mass.
Globe Yarn Mills, Fall River, Mass.

D. COTTON WARPS.
Alpha Mills, Charlotte, N. C.
Altamahaw Cotton Mills, Burlington, N. C.
Arista Mills, Salem, N. C.
Ashland Mfg. Co., Baltimore, Md.
Bibb Mfg. Co., Macon, Ga.
Bowen, Jewell & Co., Jewells, Ga.
Cannon Mfg. Co., Concord, N. C.
Cedar Falls Mfg. Co., Cedar Falls, N. H.
Central Mills Co., Southbridge, Mass.
Charlotte Cotton Mills, Charlotte, N. C.
City Mfg. Corporation, New Bedford, Mass.
Columbia Mfg. Co., Columbia Factory, N. C.
Congaree Mfg. Co., Columbia, S. C.
V. W. Crowson & Co., Westfield. Mass.
Elm Grove Mill, Lincolnton, N. C.
Franklinville Mfg. Co., Franklinville, N. C.
Glencoe Cotton Mills, Burlington, N. C.
Globe Yarn Mills, Fall River, Mass.
Granite Falls Mfg. Co., Granite Falls, N. C.
Green & Daniels Mfg. Co., Central Falls, R. I.
Hadley Co., Holyoke, Mass.
January & Wood Co., Maysville, Ky.
R. W. Lord & Co., Kennebunk, Me.
Lyman Mills, Holyoke, Mass.
McAden Mills, McAdensville, N. C.
Monument Mills, Housatonic, Mass.
New Albany Woolen Mills, New Albany, Ind.

Oakdale Mfg. Co., Jamestown, N. C.
Pee Dee Mfg. Co., Rockingham, N. C.
Pratt Mfg. Co., Grafton, Mass.
Ravine Mills Co. Vernon, Conn.
Jas. P. & Jos. G. Ray, Woonsocket, R. I.
Renfrew Mfg. Co., Adams, Mass.
Roberdel Mfg. Co., Rockingham, N. C.
Rock Hill Cotton Factory Co., Rock Hill, S. C.
Rocky Mount Mills, Rocky Mount, N. C.
Roswell Mfg. Co., Roswell, Ga.
Savannah Cotton Mills, Savannah, Ga.
Slater Cotton Co., Pawtucket, R. I. *90
Social Mfg. Co., Woonsocket, R. I.
Steam Cotton Mills, Columbus, Ga.
Talassee Falls Mfg. Co., Talassee, Ala.
Tuckaseegee Mfg. Co., Mount Holly, N. C.
Tyler Batting & Yarn Mills, Wyoming, R. I.
Wamsutta Mills, New Bedford, Mass.
Westport Mfg. Co., Westport, Mass.

E. SATINET WARPS.
J. L. & T. D. Peck Mfg. Co., Pittsfield, Mass.

2521. WEBBING.

A. BOOT & SHOE WEBBING.
Brighton Mills, Camden, N. J.
Brockton Shoe Elastic Works, Brockton, Mass.
Hamilton Web Co., Wickford, R. I.
Herbert & Rapp Co., 91 Bedford St., Boston, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.
Hope Webbing Co., Providence, R. I.
John J. Kenyon, Pawtucket, R. I.
Jos. R. King, N. Monmouth, Me.
T. Martin & Bro., Chelsea, Mass.
Russell Mfg. Co., Middletown, Conn.
Springfield Narrow Fabric Co., Springfield, Mass.
John Sullivan & Sons, 902 Montgomery Av., Philadelphia, Pa.

B. ELASTIC LOOM WEBS.
American Tubing & Webbing Co., Providence, R. I.

C. ELASTIC WEBBING.
Jos. Adamson & Co., 1652 Germantown Av., Philadelphia, Pa.
American Tubing & Webbing Co., Providence, R. I.
Bridgeport Elastic Web Co., Bridgeport, Conn.
Canfield Rubber Co., 41 Park Row, New York.
Crown Suspender Co., 4 W. 4th St., New York.
W. L. Davis, Lowell, Mass.
Dibble & Warner, Easthampton, Mass.
Frank & Guttmann, 156 W. Broadway, New York.
Franklin Co., Charleston, Mass.
Hamilton Web Co., Wickford, R. I.
Harriman Bros., Lowell, Mass.
Herbert & Rapp Co., 91 Bedford St., Boston, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.
Hutchins Narrow Fabric Co., Worcester, Mass.
A. A. Marks, 701 Broadway, New York.
Thos. Martin & Bros., Chelsea, Mass.
Montgomery Web Co., North Wales, Pa.
M. Murphy, 3d & Cumberland Sts., Philadelphia, Pa.
Russell Mfg. Co., Middletown, Conn.
Thorndike Mfg. Co., Lowell, Mass.

D. GARTER WEBBINGS.
Geo. S. Colton, Easthampton, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.

E. GIRTH WEBBINGS.
Russell Mfg. Co., Middletown, Conn.

F. HALTER WEBBINGS.
Henry Pearce's Sons, 114 W. 2d St., Cincinnati, O.
Russell Mfg. Co., Middletown, Conn.

G. NON-ELASTIC WEBBINGS.
Hope Webbing Co., Providence, R. I.
Hutchins Narrow Fabric Co., Worcester, Mass.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
A. A. Marks, 701 Broadway, New York.
T. Martin & Bro., Chelsea, Mass.
Springfield Narrow Fabric Co., Springfield, Mass.
Springfield Weaving Co., Springfield, Mass.

H. REIN WEBBINGS.
T. Martin & Bro., Chelsea, Mass.
Russell Mfg. Co., Middletown, Conn.

I. SILK ELASTIC WEBBINGS.
Hopedale Elastic Goods Co., Hopedale, Mass.
T. Martin & Bro., Chelsea, Mass.

J. SUSPENDER WEBBINGS.
Geo. S. Colton, Easthampton, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Osborne & Cheesman Co., Ansonia, Conn.

K. TRUSS WEBBINGS.
Geo. S. Colton, Easthampton, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.

T. Martin & Bro., Chelsea, Mass.

2522. WOOLENS.

A. FANCY WOOLENS.

J. B. Allen, Germantown, Philadelphia, Pa.
Assabet Mfg. Co., Maynard, Mass.
Auburn Woolen Co., Auburn, N. Y.
James R. Clark, Fredericksburg, Va.
Empire Woolen Co., Clayville, N. Y.
Plymouth Woolen Co., Plymouth, Mass.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Sawyer Woolen Mills, Dover, N. H.

B. WOOLEN SUITINGS.

J. B. Allen, Germantown, Philadelphia, Pa.
American Mills Co., Rockville, Conn.
Assabet Mfg. Co., Maynard, Mass.
Broad Brook Co., Hartford, Conn.
Camden Woolen Mills Co., Camden, N. J.
Charlottesville Woolen Mills, Charlottesville, Va.
Cocheco Woolen Mfg. Co., E. Rochester, N. H.
Germania Mills, Holyoke, Mass.
Glenside Woolen Mills, Skaneateles Falls, N. Y.
Liberty Woolen Mfg. Co., Bedford City, Va.
Merced Woolen Mills, Merced Falls, Cal.
New London Steam Woolen Mills, New London, Conn.
Th. Oakes & Co., Bloomfield, N. J.
James Phillips, Jr., W. Fitchburg, Mass.
Plymouth Woolen Co., Plymouth, Mass.
Provo Woolen Mills Co., Provo City, Utah.
E. Rothschild & Bros., 203 Monroe St., Chicago, Ill.
James Roy & Co., Schenectady, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
E. T. Steel & Co., 24 Bank St., Philadelphia, Pa.
Woolen Mfg. Co., Beaver Dam, Wis.

2523. WORSTEDS.

A. FANCY WORSTEDS.

S. Blackinton Woolen Co., Blackinton, Mass.
Blackstone Woolen Co., Blackstone, Mass.
Globe Woolen Co., Utica, N. Y.
Plymouth Woolen Co., Plymouth, Mass.
Rock Mfg. Co., Rockville, Conn.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Weybosset Mills, Providence, R. I.

B. WORSTED SUITINGS.

S. Blackinton Woolen Co., Blackinton, Mass.
Broad Brook Co., Hartford, Conn.
Wm. Broadhead & Sons, Jamestown, N. Y.
Camden Woolen Mill Co., Camden, N. J.
John Chase & Sons, Dudley, Mass.
John S. Collins, Gilsum, N. H.
Fitchburg Worsted Co., Fitchburg, Mass.
French & Ward, Stoughton, Mass.
Hamilton Woolen Co., 18 Post Office Square, Boston, Mass.
Hockanum Co., Rockville, Conn.
Johnstown Mfg. Co., Johnstown, Pa.
James Lees & Sons, Bridgeport, Pa.
Lymansville Co., Providence, R. I.
National Worsted Mills, Providence, R. I.
New England Co., Rockville, Conn.
Parkmount Mills Cotton & Woolen Co., Ltd., Lenni Mills, Pa.
Pennsylvania Woolen Co., Ltd., 246 Chestnut St., Phila., Pa.
James Phillips, Jr., W. Fitchburg, Mass.
Plymouth Woolen Co., Plymouth, Mass.
R. M. & Theo. Reynolds, Monson, Mass.
Rock Mfg. Co., Rockville, Conn.
James Roy & Co., Schenectady, N. Y.
S. N. & C. Russell Mfg. Co., Pittsfield, Mass.
Schaghticoke Woolen Mill, Schaghticoke, N. Y.
E. T. Steel & Co., 24 Bank St., Philadelphia, Pa.
Wm. Tinkham & Co., Burrillville, R. I.
Warren Woolen Co., Stafford Springs, Conn.
Washington Mills Co., Lawrence, Mass.
Wm. Wood & Co., 22d & Spring Garden Sts., Philadelphia, Pa.
Woolen Mfg. Co., Beaver Dam, Wis.

2524. YARNS.

A ASBESTOS YARNS.

Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 John St., New York.

B. BACKING YARNS.

Jos. M. Adams, Manayunk, Philadelphia, Pa.

C. CARPET YARNS.

Barbour Flax Spinning Co., Paterson, N. J.
Bigelow Carpet Co., Clinton, Mass.
Bromley Bros. & Co., 1901 E. York St., Philadelphia, Pa.

A. Flanagan & Bro., Freeland Av. nr. Shurs, Roxbury, Phila., Pa.
Hillsborough Mills, Wilton, N. H.
Wm. Johnson & Son, Kensington Av. cor. E. Allegheny, Phila., Pa.
McCallum & Sloan, Germantown, Philadelphia, Pa.
Stafford & Co., Church near Wood St., Philadelphia, Pa.
J. Whitaker & Bro., 203 Church St., Philadelphia, Pa.
John Wilde & Bro., Cresson near Ridge Av., Phila., Pa.

D. CARPET YARNS, COTTON.
January & Wood Co., Maysville, Ky.
M. A. Lord, 4640 Market St., Philadelphia, Pa.
J. Meadowcroft's Sons, Sergeant & Emerald Sts., Phila., Pa.

E. CARPET YARNS, HEMP.
Ludlow Mfg. Co., Ludlow, Mass.

F. CARPET YARNS, JUTE.
California Jute Mill Co., E. Oakland, Cal.
Chelsea Jute Mills, 319 Broadway, New York.
Dolphin Mfg. Co., Paterson, N. J.
R. H. Ensign, Simsbury, Conn.
Ludlow Mfg. Co., Ludlow, Mass.

G. CARPET YARNS, LINEN.
Barbour Flax Spinning Co., Paterson, N. J.
Cable Flax Mills, Schaghticoke, N. Y.
Ludlow Mfg. Co., Ludlow, Mass.

H. CASSIMERE SILK YARNS.
Griswold Worsted Co.. Ltd., Danville, Pa.

I. COTTON MOP YARN.
January & Wood Co , Maysville, Ky.
Tuscaloosa Mfg. Co., Tuscaloosa, Ala.

J. COTTON YARNS.
Alpha Mills, Charlotte, N. C.
Appleton Co., Lowell, Mass.
Arasapha Mfg. Co., Chester, Pa.
Arista Mills, Salem, N. C.
Arlington Mills, Lawrence, Mass.
Arkadelphia Cotton & Woolen Mills, Arkadelphia, Ark.
Athens Mfg. Co., Athens, Ga.
Beaver Creek & Bluff Mills, Fayetteville, N. C.
Bibb Mfg. Co., Macon, Ga.
Anthony Bowden, Cedar Grove, N. J.
Briggs Mfg. Co., Voluntown, Conn.
H. A. Briggs & Co., Pawtucket, R. I.
Callaghan & Bro., 123 Chestnut St., Philadelphia, Pa.
A. Campbell Mfg. Co., Manayunk, Philadelphia, Pa.
Camperdown Mills, Greeneville, S. C.
Cannon Mfg. Co., Concord, N. C.
Canoe River Mills, Taunton, Mass.
Cedar Falls Mfg. Co., Cedar Falls, N. H.
Charleston Cotton Mills, Charleston, S. C.
Charlotte Cotton Mills, Charlotte, N. C.
W. H. Cherry & Co., Mountain Mills, Ala.
Chester Mfg. Co., Chester, Pa.
City Mfg. Corporation, New Bedford, Mass.
George H. Clark, Shannock, R. I.
Clifton Mfg. Co., Clifton, S. C.
Colchester Mills, Winooski, Vt.
Columbia Cotton Mills Co., Columbia, Tenn.
Crescent City Yarn & Knitting Mills, Ltd., New Orleans, La.
Samuel A. Crozer & Son, Chester, Pa.
John T. Currier & Co., Paris, Tenn.
Cutler Mfg. Co., Warren, R. I.
Druid Mills Co., Baltimore, Md. *38
Eagle Cotton Mill Co. Madison, Ind.
Elizabeth Mills, Hills Grove, R. I.
Elm Grove Mill, Lincolnton, N. C.
Embry, Son & Young, Florence, Ala.
Fishing Creek Mfg. Co., Richburg, S. C.
Fletcher Mfg. Co., Providence, R. I.
Joseph Fling & Sons, Germantown, Philadelphia, Pa.
Jas. S. Gary & Son, Alberton, Md.
Glasgo Yarn Mills Co., Glasgo, Conn.
Globe Yarn Mills, Fall River, Mass.
Granite Falls Mfg. Co., Granite Falls, N. C.
Greene & Daniels Mfg. Co., Central Falls, R. I.
Greylock Mills, Adams, Mass.
Grinnell Mfg. Corporation, New Bedford, Mass.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Hadley Co., Holyoke, Mass.
Hamilton Web Co., Wickford, R. I.
Hough & Ford, Rochester, N. Y.
Howland Mills Corporation, New Bedford, Mass.
Huguley Mfg. Co., West Point, Ga.
Huntsville Cotton Mills Co., Huntsville, Ala.
Hutcheson Mfg. Co., Banning, Ga.

January & Wood Co., Maysville, Ky.
E. Jenckes Mfg. Co., Pawtucket, R. I.
J. F. Jones, Laurel, N. C.
Lancaster Mills, Boylston, Mass.
Lane Mills, New Orleans, La.
Lanneau Mfg. Co., Greenville, S. C.
Lees Mfg. Co., Westport, Conn.
J. W. Lewis & Co., Chester, Pa.
Lincoln Mfg. Co., Chester, Pa.
R. W. Lord & Co., Kennebunk, Me.
McAden Mills, McAdensville, N. C.
Maginnis Cotton Mills, New Orleans, La.
Midnight Yarn Co., 1150 Germantown Av., Philadelphia, Pa.
Mississippi Mills, Wesson, Miss.
Monbo Mfg. Co., Monbo, N. C.
Moodus Yarn Co., Moodus, Conn.
Mount Ida Mfg. Co., Troy, N. Y.
Mount Verd Mills Co., Mount Verd, Tenn.
New Bedford Mfg. Co., New Bedford, Mass.
New High Shoals Mfg. Co., High Shoals, Ga.
Oakdale Mfg. Co., Jamestown, N. C.
Oglethorpe Mfg. Co. of Georgia, Panola, Ga.
Pendleton Mfg. Co., Autun, S. C.
Penn. Cotton Mills, Pittsburgh, Pa.
Piedmont Mfg. Co., Piedmont, S. C.
A. Platt & Bro., Manayunk, Philadelphia, Pa.
Pratt Mfg. Co., Grafton, Mass.
Ravine Mills Co., Vernon, Conn.
Reading Cotton Mill, Reading, Pa.
Rice, Bean & Co., Shurs & Cresson Sts., Philadelphia, Pa.
Richmond Cotton Mills, Laurel Hill, N. C.
Samuel Riddle & Sons, Glen Riddle, Pa.
Riverside Mills, Augusta, Ga.
Roberdel Mfg. Co., Rockingham, N. C.
Rock Hill Cotton Factory Co., Rock Hill, S. C.
Rocky Mount Mills, Rocky Mount, N. C.
Rosedale Mfg. Co., West Point, Ga.
Roswell Mfg. Co., Roswell, Ga.
Royal River Mfg. Co., Yarmouth, Me.
Russell Mfg. Co., Middletown, Conn.
Thos. Russell & Co., 442 Broadway, New York.
Fred. L. Sayles & Co., Pascoag, R. I.
Slater Cotton Co., Pawtucket, R. I. *90
Stafford Mfg. Co., Central Falls, R. I.
Steam Cotton Mills, Columbus, Ga.
Tallassee Falls Mfg. Co., Tallassee, Ala.
David Trainer & Sons Mfg. Co., Trainer, Pa.
Tuckaseege Mfg. Co., Mount Holly, N. C.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.
Tyler Batting & Yarn Mills, Wyoming, R. I.
David Wallace & Son, Manayunk, Philadelphia, Pa.
Wamsutta Mills, New Bedford, Mass.
Henry Warren & Son, Oregon, Tenn.
W. Warren Thread Works, Westfield, Mass.
Willimantic Linen Co., Willimantic, Conn.
West Boylston Mfg. Co., Oakdale, Mass.
Whittier Cotton Mills, Lowell, Mass.
J. M. Worth Mfg. Co., Worthville, N. C.

K. GENAPPE YARNS.

Bradford Mills Co., 132 S. 4th St., Philadelphia, Pa.
Providence Worsted Mills, Providence, R. I.

L. HOSIERY YARNS.

Bibb Mfg. Co., Macon, Ga.
A. B. Chase, Moodus, Conn.
Clermont Woolen Mills, New Richmond, O.
Colchester Mills, Winooski, Vt.
Cutler & Sons, Providence, R. I.
Eden Park Cotton Mills, 609 Gilbert Av., Cincinnati, O.
S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
Globe Yarn Mills, Fall River, Mass.
Thomas Henry & Sons, 116 Arch St., Philadelphia, Pa.
Henry Pearce's Sons, 114 W. 2d St., Cincinnati, O.
P. S. Peckham & Co., Washington, R. I.
Portage Hosiery Co., Portage, Wis.
Savannah Cotton Mills, Savannah, Ga.
Standard Yarn Co., Oswego, N. Y.
Tremont & Suffolk Mills, Lowell, Mass.
Willimantic Linen Co., Willimantic, Conn.

M. JUTE YARNS.	Dolphin Mfg. Co., Paterson, N. J.
	Schlichter Jute & Cordage, 21 N. Front St., Philadelphia, Pa.
N. KNITTING YARNS.	Clermont Woolen Mills, New Richmond, O.
	S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
	Mayfield Woolen Mills, Mayfield, Ky.
	P. S. Peckham & Co., Washington, R. I.
O. LINEN YARNS.	Dunbar, McMaster & Co., Greenwich, N. Y.
	A. H. Hart Co., 550 W. 57th St., New York.
	Marshall & Co., Kearney, N. J.
	Smith & Dove Mfg. Co., Andover, Mass.
	W. Warren Thread Works, Westfield, Mass.
P. LISLE THREAD YARNS	Globe Yarn Mills, Fall River, Mass.
	W. Warren Thread Works, Westfield, Mass.
	Willimantic Linen Co., Willimantic, Conn.
Q. MERINO YARNS.	Beswick & Kay, 258 Callowhill St., Philadelphia, Pa.
	Colchester Mills, Winooski, Vt.
	Jos. Fling & Sons, Germantown, Philadelphia, Pa.
	B. Hamill & Co., Germantown, Philadelphia, Pa.
	P. S. Peckham & Co., Washington, R. I.
	J. Randall & Bros., Germantown, Philadelphia, Pa.
	Geo. H. Tyler & Co., Washington, R. I.
R. MOHAIR YARNS.	Bradford Mills Co., 132 S. 4th St., Philadelphia, Pa.
	Brainerd & Armstrong Co., New London, Conn.
	D. Goff & Sons, Pawtucket, R. I.
	Providence Worsted Mills, Providence, R. I.
	F. A. Straus, 74 Greene St., New York.
S. SILK YARNS.	Cheney Bros., S. Manchester, Conn.
	Griswold Worsted Co., Ltd., Danville, Pa.
	Nonotuck Silk Co., Florence, Mass.
	Sauquoit Silk Mfg. Co., Sauquoit, N. Y.
T. WOOLEN YARNS.	Alcorn Woolen Mfg. Co., Corinth, Miss.
	Wm. M. Allison & Bro., Potter's Mills, Pa.
	Amana Society, Homestead, Iowa.
	Appleton Woolen Mills, Appleton, Wis.
	Arista Mills, Salem, N. C.
	Athens Mfg. Co., Athens, Ga.
	Atlantic Mills, Providence, R. I.
	Beargrass Woolen Mills, Louisville, Ky.
	Beswick & Kay, 2518 Callowhill St., Philadelphia, Pa.
	J. W. & S. E. Bonsack, Bonsack's, Va.
	Samuel Bradley & Sons, Allegheny, Pa.
	Buell Mfg. Co., St. Joseph, Mo.
	Butler & Robinson, Lawrence, Mass.
	Capital City Woolen Mills, Des Moines, Iowa.
	Cedarburgh Woolen Mills, Cedarburgh, Wis.
	Colchester Mills, Winooski, Vt.
	Craven & Dearnley, 8th & Somerset Sts., Philadelphia, Pa.
	Davenport Woolen Mills Co., Davenport, Iowa.
	Deseret Woolen Mills Co., Salt Lake City, Utah.
	John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
	Thomas Dolan & Co., Hancock St. & Columbia Av., Phila., Pa.
	Erben, Search & Co., 25th & Spring Garden Sts., Phila., Pa.
	Fairmount Worsted Mills, Spg. Garden & Tacony Sts., Phila., Pa.
	S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
	Jos. Fling & Sons, Germantown, Philadelphia, Pa.
	Henry Fox & Co., Urbana, O.
	Samuel Fox, La Porte, Ind.
	C. E. Geisendorff & Co., Indianapolis. Ind.
	Globe Woolen Mills, Utica, N. Y.
	Gwyn-Harper Mfg. Co., Patterson, N. C.
	B. Hamill & Co., Germantown, Philadelphia, Pa.
	E. S. Higgins & Co., 84 White St., New York.
	Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
	Hyman & Marks, Wabash, Ind.
	E. Jenckes Mfg. Co., Pawtucket, R. I.
	C. A. Kendall Co., Camden, N. J.
	James Lees & Sons, Bridgeport, Pa.
	John Lonsdale & Sons, Dale, Iowa.
	Maryville Woolen Mills, Maryville, Tenn.
	James Meadowcroft's Sons, Sergeant & Emerald Sts., Phila., Pa.
	George Merritt & Co., Indianapolis, Ind.
	Midnight Yarn Co., 1150 Germantown Av., Philadelphia, Pa.
	Missisquoi Woolen Mill, Enosburgh Falls, Vt.
	A. S. Morrison & Bros., Braintree, Mass.
	New Albany Woolen Mills, New Albany, Ind.
	Nonantum Worsted Co., Nonantum, Mass.

Oregon City Mfg. Co., Oregon City, Ore.
P. S. Peckham & Co., Washington, R. I.
J. R. & J. H. Perkins, Riverhead, N. Y.
A. Platt & Bro., Manayunk, Philadelphia, Pa.
J. Randall & Bros., Germantown, Philadelphia, Pa.
C. Reel & Co., Allegheny, Pa.
Reeves & Hitch, Bloomington, Ill.
Rice, Bean & Co., Shurs & Cresson Sts., Philadelphia, Pa.
J. Ring & Son, 1759 Hancock St., Philadelphia, Pa.
Rockford Woolen Mills Co., Rockford, Ill.
Saxonville Mills, 7½ Beacon St., Boston, Mass.
Jos. Scatchard's Sons, Germantown, Philadelphia, Pa.
Sevill Schofield, Son & Co., 51 N. Front St., Philadelphia, Pa.
Wm. Scholes & Son, 2d & Cambria Sts., Philadelphia, Pa.
Seymour Woolen Factory Co., Seymour, Ind.
Geo. Shimer & Boyer, Camden, N. J.
Shuler & Benninghofen, Hamilton, O.
Slayden-Kirksey Woolen Mills, Waco, Tex.
Smith & Wilson, Arcade, N. Y.
Edward T. Steel & Co., 24 Bank St., Philadelphia, Pa.
Stoneville Worsted Co., Worcester, Mass.
Tennessee Woolen Mills, McMinnville, Tenn.
Trenton Worsted Mills, Trenton, N. J.
George H. Tyler & Co., Washington, R. I.
Wm. Whitaker & Sons, 203 Church St.. Philadelphia, Pa.
S. B. Wilkins & Co., Rockford, Ill.

U. WORSTED YARNS.

Abbot & Co., Forge Village, Mass.
American Mills Co., Rockville, Conn.
Bigelow Carpet Co., Clinton, Mass.
Bradford Mills Co., Philadelphia, Pa.
George Campbell & Co., 246 Chestnut St., Philadelphia, Pa.
Craven & Dearnley, 8th & Somerset Sts., Philadelphia, Pa.
Croft, Howland, Sons & Co., Camden, N. J.
Alexander Crow & Son, 2216 Linn St., Philadelphia, Pa.
John & Jas. Dobson, 28 N. Front St., Philadelphia, Pa.
Erben, Search & Co., 25th & Spring Garden Sts., Phila., Pa.
Fairmount Worsted Mills, Sp. Garden & Tacony Sts., Phila., Pa.
Firth Carpet Co., Cornwall, N. Y.
S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
Globe Woolen Mills, Utica, N. Y.
D. Goff & Sons, Pawtucket, R. I.
Griswold Worsted Co., Ltd., Danville, Pa.
Wm. H. Grundy & Co., 108 S. Front St., Philadelphia, Pa.
E. S. Higgins & Co., 84 White St., New York.
Highland Worsted Mills, Camden, N. J.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
Aaron Jones' Sons, 8 Wister St., Philadelphia, Pa.
Midnight Yarn Co., 1150 Germantown Av., Philadelphia, Pa.
Jos. T. Perkins, 679 Kent Av., Brooklyn, N. Y.
Providence Worsted Mills, Providence, R. I.
Saxonville Mills, Framingham, Mass.
Sevill Schofield, Son & Co., 51 N. Front St., Philadelphia, Pa.
Star Worsted Co., Fitchburg, Mass.
Steere Worsted Mills, Providence, R. I.
Stoneville Worsted Co., Worcester, Mass.
Tracy Worsted Mills Co., Ltd., 2500 Spruce St., Phila., Pa.
Walsh Worsted Co., Lowell, Mass.
Washington Mills Co., Lawrence, Mass.

V. WRAPPING YARNS.

Nashville Cotton Mills, Nashville, Tenn.

W. ZEPHYR YARNS.

S. B. & B. W. Fleisher, 28 S. 6th St., Philadelphia, Pa.
Gwyn-Harper Mfg. Co., Patterson, N. C.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.

XXXIX. TOYS AND SPORTING GOODS.

2525. AIR GUNS & PARTS.
H. M. Quackenbush, Herkimer, N. Y.

2526. ARCHERY GOODS.
R. Bliss Mfg. Co., Pawtucket, R. I.
Peck & Snyder, 126 Nassau St., New York.
Wright & Ditson, 580 Washington St., Boston, Mass.

2527. BALLOONS, TOY.
Detwiller & Street Fireworks Mfg. Co., 172 Fulton St., New York.
Grumbach & Grote, 125 Hudson St., New York.

2528. BANKS, TOY.
H. C. Hart Mfg. Co., Detroit, Mich.
A. H. Hews & Co., N. Cambridge, Mass.
H. L. Judd & Co., 87 Chambers St., New York.
Shepard Hardware Co., Buffalo, N. Y.
J. & E. Stevens Co , Cromwell, Conn.
Weeden Mfg. Co., New Bedford, Mass.

2529. BASE BALL GOODS.
P. Goldsmith & Co., Covington, Ky.
Peck & Snyder, 126 Nassau St., New York.
A. G. Spalding & Bros., 241 Broadway, New York.

A. BASE BALLS.
Cornwall & Patterson Mfg. Co., Bridgeport, Conn.
P. Goldsmith & Co., Covington, Ky.
H. Harwood & Sons, Natick, Mass.
Ives, Blakeslee & Williams Co., Bridgeport, Conn.
Peck & Snyder, 126 Nassau St., New York.
A. J. Reach Co., 1113 Market St., Philadelphia, Pa.
A. G. Spalding & Bros., 241 Broadway, New York.
Warner Bros., Bridgeport, Conn.

B. BASE BALL BATS.
P. Goldsmith & Co., Covington, Ky.
Monroeton Mfg. Co., Monroeton, Pa.
Peck & Snyder, 126 Nassau St., New York.
H. Rademaker & Sons, Grand Rapids, Mich.
A. J. Reach Co., 1113 Market St., Philadelphia, Pa.
South Bend Toy Mfg. Co., South Bend, Ind.
A. G. Spalding & Bros., 241 Broadway, New York.

2530. BELL TOYS.
Bevin Bros. Mfg. Co., Easthampton, Conn.
Gong Bell Mfg. Co., Easthampton, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Novelty Mfg. Co., Waterbury, Conn.

2531. BICYCLES & TRICYCLES.

A. BICYCLES.
Ames & Frost Co., 302 Wabash Av., Chicago, Ill.
Banker & Campbell Co., 1786 Broadway, New York.
Eagle Bicycle Mfg. Co., Stamford, Conn.
Gendron Iron Wheel Co., Toledo, O.
Gormully & Jeffery Mfg. Co., 222 N. Franklin St., Chicago, Ill.
Hartford Cycle Co., Hartford, Conn.
Indiana Bicycle Mfg. Co, Indianapolis, Ind.
John P. Lovell Arms Co., 147 Washington St., Boston, Mass.
Lozier & Yost Bicycle Mfg. Co., Toledo, O.
Overman Wheel Co., Chicopee Falls, Mass.
Pope Mfg. Co., 77 Franklin St., Boston, Mass. *92
H. B. Smith Machine Co., Smithville, N. J.
Steel Pulley & Machine Works, Indianapolis, Ind.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.
Stover Bicycle Mfg. Co., Freeport, Ill.
Harry Svensgaard Bicycle Co., Fergus Falls, Minn.
Toledo Metal Wheel Co., Toledo, O.
Tricycle Mfg. Co., Springfield, O.
Union Cycle Mfg. Co., Highlandville, Mass.
Warwick Cycle Mfg. Co., Springfield, Mass. *93
Western Wheel Works, 495 N. Wells St., Chicago, Ill.

B. BICYCLES, CHILDREN'S.
Buffalo Tricycle Co., Buffalo, N. Y.
Gendron Iron Wheel Co., Toledo, O.
Indiana Bicycle Mfg. Co., Indianapolis, Ind.
L. H. Mace & Co., 111 E. Houston St., New York.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.
Union Cycle Mfg. Co., Highlandville, Mass.

C. TRICYCLES.
Ames Sword Co., Chicopee, Mass.
Buffalo Tricycle Co., Buffalo, N. Y.
Fay Mfg. Co., Elyria, O.
Gendron Iron Wheel Co., Toledo, O.
Gormully & Jeffery Mfg. Co., 222 N. Franklin St., Chicago, Ill.

Griffin Road Machine Co., Elyria, O.
Marlin Fire Arms Co., New Haven, Conn.
Overman Wheel Co., Chicopee Falls, Mass.
Geo. N. Pierce & Co., Buffalo, N. Y.
Pope Mfg. Co., 77 Franklin St., Boston, Mass. *92
W. S. Reed Toy Co., Leominster, Mass.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.
Toledo Metal Wheel Co., Toledo, O.
Tricycle Mfg. Co., Springfield, O.

D. TRICYCLES, CHILDREN'S.
Buffalo Tricycle Co., Buffalo, N. Y.
Chieftain Co., Canton, O.
Gendron Iron Wheel Co., Toledo, O.
L. H. Mace & Co., 111 E. Houston St., New York.
Geo. N. Pierce & Co., Buffalo, N. Y.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.
S. A. Smith & Co., Brattleboro', Vt. *102
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.
Tricycle Mfg. Co., Springfield, O.

E. TRICYCLES, INVALID.
Fay Mfg. Co., Elyria, O.

2532. BICYCLE AND TRICYCLE SUNDRIES.

Ames Sword Co., Chicopee, Mass.
Eagle Bicycle Mfg. Co., Stamford, Conn.
Gormully & Jeffery Mfg. Co., 222 N. Franklin St., Chicago, Ill.
Overman Wheel Co., 182 Columbus Av., Boston, Mass.
D. S. Plumb, Newark, N. Y. *82
Pope Mfg. Co., 77 Franklin St., Boston, Mass. *92
H. B. Smith Machine Co., Smithville, N. J.
Steel Pulley & Machine Works, Indianapolis, Ind.
Chas. F. Stokes Mfg. Co., 293 Wabash Av., Chicago, Ill.
Sweeting Cycle Co., 639 Arch St., Philadelphia, Pa.
Union Cycle Mfg. Co., Highlandville, Mass.
Warwick Cycle Mfg. Co., Springfield, Mass. *93

A. BICYCLE RIMS.
Pope Mfg. Co., 77 Franklin St., Boston, Mass. *92
Warwick Cycle Mfg. Co., Springfield, Mass. *93

B. BICYCLE SADDLES.
B. F. Peet, Springfield, Mass.
Stover Bicycle Mfg. Co., Freeport, Ill.
Union Cycle Mfg. Co., Highlandville, Mass.
Warwick Cycle Mfg. Co., Springfield, Mass. *93

2533. BILLIARD SUPPLIES.

C. G. Akam Mfg. Co., 22 Adams St., Chicago, Ill.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
F. Grote & Co., 114 E. 14th St., New York.
Schulenburg Mfg. Co., Detroit, Mich.
Jos. Shardlow, 116 Fulton St., New York.

A. BILLIARD CUES.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
F. Grote & Co., 114 E. 14th St., New York.
F. J. Kaldenberg Co., 213 E. 33d St., New York.
Joseph Shardlow, 116 Fulton St., New York.

B. BILLIARD & POOL BALLS.
Albany Billiard Ball Co., Albany, N. Y.
A. Ball & Bro., 85 Market St., Chicago, Ill.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
F. J. Kaldenberg Co., 213 E. 33d St., New York.
Schulenburg Mfg. Co., Detroit, Mich.
Joseph Shardlow, 116 Fulton St., New York.

C. CUE CUTTERS.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
F. Grote & Co., 114 E. 14th St., New York.

D. CUE TIPS.
F. Grote & Co., 114 E. 14th St., New York.
Schulenburg Mfg. Co., Detroit, Mich.
Joseph Shardlow, 116 Fulton St., New York.

E. POOL TRIANGLES.
Crane Bros., Westfield, Mass. *74

2534. BILLIARD TABLES.

Adam Braun, Buffalo, N. Y.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
W. H. Griffith & Co., 16 4th Av., New York.
National Billiard Mfg. Co., 96 W. Canal St., Cincinnati, O.
Schulenburg Mfg. Co., Detroit, Mich.

2535. BLOCKS, TOY.

R. Bliss Mfg Co., Pawtucket, R. I.
Milton Bradley Co., Springfield, Mass.
McLoughlin Bros., 623 Broadway, New York.
L. H. Mace & Co., 111 E. Houston St., New York.
W. S. Reed Toy Co., Leominster, Mass.

A. ALPHABET BLOCKS.
Milton Bradley Co., Springfield, Mass.
Embossing Co., Albany, N. Y.
McLoughlin Bros., 623 Broadway, New York.
H. C. Underwood Mfg. Co., Wabash, Ind.
Wescott Bros. & Co., Seneca Falls, N. Y.

B. BUILDING BLOCKS.
R. Bliss Mfg. Co., Pawtucket, R. I.
Crandall & Co., 569 3d Av., New York.

	L. H. Mace & Co., 111 E. Houston St., New York.	
	Monroeton Mfg. Co., Monroeton, Pa.	
	W. S. Reed Toy Co., Leominster, Mass.	
	Waverly Toy Works, Waverly, N. Y.	
	Westcott Bros. & Co., Seneca Falls, N. Y.	
2536. BOOKS, TOY.	McLoughlin Bros., 623 Broadway, New York.	
2537. BOW GUNS.	R. Bliss Mfg. Co., Pawtucket, R. I.	
2538. BOWLING ALLEYS.	Brunswick-Balke-Collender Co., 860 Broadway, New York.	
	Wm. G. Dillingham, 51 South St., New York.	
	F. Grote & Co., 114 E. 14th St., New York.	
	Narragansett Machine Co., Providence, R. I.	
	Schulenburg Mfg. Co., Detroit, Mich.	
A. ALLEY FURNITURE.	E. Schloss & Co., 211 Canal St., New York.	
B. TEN PINS.	Brunswick-Balke-Collender Co., 860 Broadway, New York.	
	F. Cundey, 210 Quarry St., Philadelphia, Pa.	
	Wm. G. Dillingham, 51 South St., New York.	
	F. Grote & Co., 114 E. 14th St., New York.	
	A. Meinecke & Son, Milwaukee, Wis.	
	Monroeton Mfg. Co., Monroeton, Pa.	
	Narragansett Machine Co., Providence, R. I.	
	Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.	
	Schulenberg Mfg. Co., Detroit, Mich.	
	Jos. Shardlow, 116 Fulton St., New York.	
C. TEN PIN BALLS.	Brunswick-Balke-Collender Co., 860 Broadway, New York.	
	F. Cundey, 210 Quarry St., Philadelphia, Pa.	
	Wm. G. Dillingham, 51 South St., New York.	
	F. Grote & Co., 114 E. 14th St., New York.	
	Narraganset. Machine Co., Providence, R. I.	
	Schulenburg Mfg. Co., Detroit, Mich.	
	Jos. Shardlow, 116 Fulton St., New York.	
2539. BOXING GLOVES.	Ives, Blakeslee & Williams Co., Bridgeport, Conn.	
	Peck & Snyder, 126 Nassau St., New York.	
	J. D. Shibe & Co., 223 N. 8th St., Philadelphia, Pa.	
	A. G. Spalding & Bros., 241 Broadway, New York.	
	Wright & Ditson, 580 Washington St., Boston, Mass.	
2540. CATAPULTS.	Seamless Rubber Co., New Haven, Conn.	
2541. CAT COLLARS.	Medford Fancy Goods Co., 44 Duane St., New York.	
2542. COOKING UTENSILS, TOY.		
	Standard Mfg. Co., Pittsburgh, Pa.	*49
	J. & E. Stevens Co., Cromwell, Conn.	
A. TOY STOVES.	J. & E. Stevens Co., Cromwell, Conn.	
2543. CRICKET GOODS.	F. Cundey, 210 Quarry St., Philadelphia, Pa.	
	Peck & Snyder, 126 Nassau St., New York.	
	Wright & Ditson, 580 Washington St., Boston, Mass.	
2544. CROQUET.	R. Bliss Mfg. Co., Pawtucket, R. I.	
	Monroeton Mfg. Co., Monroeton, Pa.	
	H. Rademaker & Sons, Grand Rapids, Mich.	
	South Bend Toy Mfg. Co., South Bend, Ind.	
	A. G. Spalding & Bros., 241 Broadway, New York.	
2545. DECOYS.	F. A. Allen & Co., Monmouth, Ill.	
	Jasper N. Dodge, Detroit, Mich.	
A. DECOY DUCKS.	Buffalo Last Works, Buffalo, N. Y.	*248
	Jasper N. Dodge, Detroit, Mich.	
	Horne & Danz Co., St. Paul, Minn.	
2546. DOG FURNISHINGS.		
A. DOG BRUSHES.	Medford Fancy Goods Co., 44 Duane St., New York.	
	Pope & Stevens, 114 Chambers St., New York.	
B. DOG CHAINS.	Bridgeport Chain Co., Bridgeport, Conn.	
	Chapman Mfg. Co., Meriden, Conn.	
	Oneida Community, Ltd., Community, N. Y.	
	Smith & Egge Mfg. Co., Bridgeport, Conn.	
C. DOG COLLARS.	Chapman Mfg. Co., Meriden, Conn.	
	E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Pope & Stevens, 114 Chambers St., New York.	
	Union Hardware Co., Torrington, Conn.	
D. DOG COLLAR LOCKS.	Ames Sword Co., Chicopee, Mass.	
	Chapman Mfg. Co., Meriden, Conn.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	J. Richardson & Son, New Haven, Conn.	
E. DOG COLLAR TRIMMINGS.	Chapman Mfg. Co., Meriden, Conn.	
	J. F. Kitchell Mfg. Co., Newark, N. J.	
	Novelty Mfg. Co., Waterbury, Conn.	
F. DOG COMBS.	Chapman Mfg. Co., Meriden, Conn.	
	Medford Fancy Goods Co., 44 Duane St., New York.	
G. DOG HARNESS.	Chapman Mfg. Co., Meriden, Conn.	

	Medford Fancy Goods Co., 44 Duane St., New York.
	Novelty Mfg. Co., Waterbury, Conn.
H. DOG LEADS.	Chapman Mfg. Co., Meriden, Conn.
	Medford Fancy Goods Co., 44 Duane St., New York.
	Smith & Egge Mfg. Co., Bridgeport, Conn.
	Union Hardware Co., Torrington, Conn.
I. DOG MUZZLES.	Chapman Mfg. Co., Meriden, Conn.
	E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.
	National Mfg. Co., Worcester, Mass.
	Union Hardware Co., Torrington, Conn.
J. DOG WHIPS.	Bay State Whip Co., Westfield, Mass.
	Chapman Mfg. Co., Meriden, Conn.
	Westfield Whip Co., Westfield, Mass.
K. HOUND LEASHES.	Chapman Mfg. Co., Meriden, Conn.
	Union Hardware Co., Torrington, Conn.
L. KENNEL CHAINS.	Bridgeport Chain Co., Bridgeport, Conn.
2547. **DOLLS.**	H. Elschner, Milwaukee, Wis.
	Henry Klein, 529 Vine St., Cincinnati, O.
A. DOLL HEADS AND BODIES.	P. Goldsmith & Co., Covington, Ky.
	Francis P. Knell, 2042 N. 4th St., Philadelphia, Pa.
B. DOLL SHOES.	H. Wolbold, 2549 N. 6th St., Philadelphia, Pa.
C. DOLLS, DRESSED.	P. Goldsmith & Co., Covington, Ky.
D. DOLLS, RUBBER.	New York Rubber Co., 84 Reade St., New York.
E. TALKING DOLLS	Edison Phonograph Toy Mfg. Co., 15 Dey St., New York.
2548. **DOLL CARRIAGES.**	Boylston Carriage Co., 102 William St., New York.
	Crandall & Co., 569 3d Av., New York.
	Garton Toy Co., Sheboygan, Wis.
	Gendron Iron Wheel Co., Toledo, O.
	P. J. Marqua Co., Evans St. near 8th, Cincinnati, O.
	A. Meinecke & Son, Milwaukee, Wis.
	S. A. Smith & Co., Brattleboro', Vt. *1•2
	South Bend Toy Mfg. Co., South Bend, Ind.
A. DOLL CARRIAGE GEARS.	South Bend Toy Mfg. Co., South Bend, Ind.
2549. **DRIVING REINS BOYS'.**	Samuel Kirby, Middletown, Conn.
2550. **DRUMS, TOY.**	E. D. Dickinson, Granville, Mass.
	Geo. Velsor & Son, 315 N. 2d St., Brooklyn, N. Y.
2551. **DUMB BELLS.**	Chalfant Mfg. Co., Atglen, Pa.
	Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.
	Victor Knecht, 195 Wade St., Cincinnati, O.
	George R. Lombard & Co., Augusta, Ga.
	A. Meinecke & Son, Milwaukee, Wis.
	John Savery's Son & Co., 97 Beekman St., New York.
	Springfield Foundry Co., Springfield, Mass.
	John H. Sunderman & Co., Quincy, Ill.
	Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.
	United States Foundry Co., 56 Pine St., New York.
	Wheeler Foundry Co., Worcester, Mass.
2552. **EXERCISING TUBES.**	Goodyear Rubber Co., 487 Broadway, New York.
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
2553. **FIREARMS, TOY.**	
A. PAPER CAP PISTOLS.	R. Bliss Mfg. Co., Pawtucket, R. I.
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.
	Landers, Frary & Clark, New Britain, Conn.
	Shepard Hardware Co., Buffalo, N. Y.
	J. & E. Stevens Co., Cromwell, Conn.
B. PISTOLS, ARROW.	Rubber Tipped Arrow Co., Cornhill & Washn. Sts., Boston, Mass.
C. RUBBER BALL GUNS.	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.
D. TOY CANNON.	H. C. Hart Mfg. Co., Detroit, Mich.
	J. & E. Stevens Co., Cromwell, Conn.
E. TOY GUNS.	R. Bliss Mfg. Co., Pawtucket, R. I.
	Milton Bradley Co., Springfield, Mass.
	Eagle Spring Gun Co., Hazleton, Pa.
	C. J. Root, Bristol, Conn.
	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.
2554. **FIREWORKS.**	Ætna Pyrotechnic Co., Hartford, Conn.
	California Fireworks Co., 218 Front St., San Francisco, Cal.
	Consolidated Fire Works, 9 Park Place, New York.
	Detwiller & Street Fireworks Mfg. Co., 172 Fulton St., New York.
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.
	Mannie & Romaine, Petersburg, Va.
	Masten & Wells, Roxbury, Mass.
	Jas. Paine & Sons, Portville, Long Island, N. Y.
A. SET PIECES.	Jas. Paine & Sons, Portville, Long Island, N. Y.

2555. FISHING TACKLE.

A. ANGLERS' SPECIALTIES.	Enterprise Mfg. Co., Akron, O.
B. ARTIFICIAL FLIES.	Thos. H. Chubb, Port Mill Village, Vt.
	H. H. Kiffe, 318 Fulton St., Brooklyn, N. Y.
	W. T. J. Lowe, Buffalo, N. Y.
	Chas. Plath, 130 Canal St., New York.
C. AUTOMATIC FISHERS.	Philadelphia Novelty Mfg. Co., 428 N. 13th St., Phila., Pa.
D. BAITS, ARTIFICIAL.	Enterprise Mfg. Co., Akron, O.
	W. T. J. Lowe, Buffalo, N. Y.
	Chas. Plath, 130 Canal St., New York.
E. BAITS, LUMINOUS.	Enterprise Mfg. Co., Akron, O.
	W. T. J. Lowe, Buffalo, N. Y.
F. FISH HOOKS.	American Needle & Fish Hook Co., New Haven, Conn.
	John W. Court, 136 Classon Av., Brooklyn, N. Y.
G. FISH LINES.	Abbey & Imbrie, 18 Vesey St., New York.
	J. & S. Allen, Walpole, Mass.
	Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
	S. Draper & Son, Troy, N. Y.
	Lawrence Line Co., Lawrence, Mass.
H. FISHING REELS.	Abbey & Imbrie, 18 Vesey St., New York.
	Isaac J. Boothe, Birmingham, Conn.
	Thos. H. Chubb, Port Mill Village, Vt.
	Andrew B. Hendry & Co., New Haven, Conn.
	Edward Vom Hofe, 97 Fulton St., New York.
	Watertown Rod & Reel Co., Watertown, N. Y.
I. FISHING RODS.	Abbey & Imbrie, 18 Vesey St., New York.
	Thos. H. Chubb, Port Mill Village, Vt.
	Enterprise Mfg. Co., Providence, R. I.
	Evan H. Gerrish, Bangor, Me.
	S. W. Goodridge, Grafton, Vt.
	Horton Mfg. Co., Bristol, Conn.
	H. C. Litchfield & Co., 302 Washington St., Boston, Mass.
	Montague City Rod Co., Montague City, Mass.
	Chas. Plath, 130 Canal St., New York.
	A. G. Spalding & Bros., 241 Broadway, New York.
	Watertown Rod & Reel Co., Watertown, N. Y.
J. FISHING RODS, BAMBOO.	Thos. H. Chubb, Port Mill Village, Vt.
	A. G. Spalding & Bros., 241 Broadway, New York.
	Syracuse Bamboo Furniture Co., Syracuse, N. Y.
K. FISHING RODS, SPLIT BAMBOO.	Thos. H. Chubb, Port Mill Village, Vt.
	Evan H. Gerrish, Bangor, Me.
	Syracuse Bamboo Furniture Co., Syracuse, N. Y.
L. FISHING RODS, STEEL.	Horton Mfg. Co., Bristol, Conn.
M. FISHING ROD COVERS.	E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
	Von Lengerke & Detmold, 8 Murray St., New York.
N. FISHING ROD TRIMMINGS.	Thos. H. Chubb, Port Mill Village, Vt.
O. FLOATS.	Enterprise Mfg. Co., Akron, O.
P. FLOATS, LUMINOUS.	Enterprise Mfg. Co., Akron, O.
Q. FLY & TACKLE BOOKS.	Thos. H. Chubb, Port Mill Village, Vt.
R. LANDING NET FRAMES.	Thos. H. Chubb, Port Mill Village, Vt.
	J. N. Dodge, Detroit, Mich.
S. LIVE FISH BAGS.	Chas. Plath, 130 Canal St., New York.
	A. B. Shipley & Son, 503 Commerce St., Philadelphia, Pa.
T. SNELLS & LEADERS.	Abbey & Imbrie, 18 Vesey St., New York.
	Chas. Plath, 130 Canal St., New York.
U. TROLLING BAIT.	W. T. J. Lowe, Buffalo, N. Y.
	Chas. Plath, 130 Canal St., New York.

2556. FOOT BALLS.

Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
A. G. Spalding & Bros., 241 Broadway, New York.
Wright & Ditson, 580 Washington St., Boston, Mass.

2557. FURNITURE, TOY.

L. H. Mace & Co., 111 East Houston St., New York.
A. Meinecke & Son, Milwaukee, Wis.
Monroeton Mfg. Co., Monroeton, Pa.
W. S. Reed Toy Co., Leominster, Mass.
Chas. Schoepflin & Bro., Gardenville, N. Y.
Stowell Mfg. Co., Putney, Vt.

A. TOY FURNITURE, BAMBOO.	Gendron Iron Wheel Co., Toledo, O.
	A. Meinecke & Son, Milwaukee, Wis.
B. TOY FURNITURE, IRON.	J. & E. Stevens Co., Cromwell, Conn.
C. TOY FURNITURE, WIRE.	Andrew B. Hendryx Co., New Haven, Conn.
	Woods, Sherwood & Co., Lowell, Mass.
D. TOY CHAIRS.	Garton Toy Co., Sheboygan, Wis.
	W. H. Keyes, Princeton, Mass.
	Josiah Partridge, 360 Pearl St., New York.
E. TOY CRADLES.	Garton Toy Co., Sheboygan, Wis.

F. TOY TABLES.
Johnson Chair Co., 233 N. Green St., Chicago, Ill.
A. Meinecke & Son, Milwaukee, Wis.
Josiah Partridge, 360 Pearl St., New York.
John Regan, Newark, N. J.
S. A. Smith & Co., Brattleboro', Vt. *102

G. TOY TABLES, FOLDING.
A. Meinecke & Son, Milwaukee, Wis.
Wilkinson Mfg. Co., Binghamton, N. Y.

2558. GLOBES, TOY.
Hermann Schedler, 96 Church St., New York.

2559. GYMNASIUM APPARATUS.
John P. Brooks, Providence, R. I.
Edson Mfg. Co., 132 Commercial St., Boston, Mass.
Narragansett Machine Co., Providence, R. I.
A. G. Spalding & Bros., 241 Broadway, New York.

A. SPECIAL DEVELOPMENT APPARATUS.
E. W. Murphy, Vine & Longworth Sts., Cincinnati, O.
Narragansett Machine Co., Providence, R. I.
A. G. Spalding & Bros., 241 Broadway, New York.

2560. HOOPS, TOY.
L. H. Mace & Co., 111 E. Houston St., New York.

A. IRON HOOPS.
John H. Sunderman & Co., Quincy, Ill.

2561. HORNS.
B. F. Blodgett & Co., Leominster, Mass.
Derby, Whitcomb & Co., Leominster, Mass.
W. D. Earl & Co., Leominster, Mass.
Shepard Hardware Co., Buffalo, N. Y.
Lieton & Cook, Leominster, Mass.

2562. HORSES, TOY.

A. CARROUSEL HORSES.
P. J. Marqua Co., Evans St. near 8th, Cincinnati, O.
A. Meinecke & Son, Milwaukee, Wis.

B. GALLOPING HORSES.
Boylston Carriage Co., 102 William St., New York.
P. J. Marqua Co., Evans St. near 8th. Cincinnati, O.

C. HOBBY HORSES.
A. Meinecke & Son, Milwaukee, Wis.
S. A. Smith & Co., Brattleboro', Vt. *102

D. ROCKING HORSES.
Crandall & Co., 569 Third Av., New York.
Fletcher & Webster Furniture Co., Nashua, N. C.
L. H. Mace & Co., 111 E. Houston St., New York.
Maine Mfg. Co., Fairfield, Me.
P. J. Marqua Co., Evans St. near 8th, Cincinnati, O.
A. Meinecke & Son, Milwaukee, Wis.
Nashua Novelty Works, Nashua, N. H.
S. A. Smith & Co., Brattleboro', Vt. *102
J. Tuohey, 610 Grand St., New York.

E. SWINGING HORSES.
A. Meinecke & Son, Milwaukee, Wis.

2563. HOUSES, TOY.
H. C. Underwood Mfg. Co., Wabash, Ind.

2564. HUNTING GOODS.

A. AMMUNITION CASES.
A. G. Spalding & Bros., 241 Broadway, New York.
Von Lengerke & Detmold, 8 Murray St., New York.

B. CARTRIDGE BAGS.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Hodgman Rubber Co., 459 Broadway, New York.
A. G. Spalding & Bros., 241 Broadway, New York.
Von Lengerke & Detmold, 8 Murray St., New York.

C. CARTRIDGE BELTS.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Thos. C. Orndorf, Worcester, Mass.
A. G. Spalding & Bros., 241 Broadway, New York.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Von Lengerke & Detmold, 8 Murray St., New York.
Wallace & Sons, Ansonia, Conn.

D. CARTRIDGE CASES.
Budke Mfg. Co., Canonsburg, Pa.
A. G. Spalding & Bros., 241 Broadway, New York.
Von Lengerke & Detmold, 8 Murray St., New York.

E. GAME BAGS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
A. G. Spalding & Bros., 241 Broadway, New York.
Von Lengerke & Detmold, 8 Murray St., New York.

F. GUN CASES.
Thos. Godson & Son, Troy, N. Y.
A. G. Spalding & Bros., 241 Broadway, New York.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Van Lengerke & Detmold, 8 Murray St., New York.

G. GUN COVERS.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
A. G. Spalding & Bros., 241 Broadway, New York.
Von Lengerke & Detmold, 8 Murray St., New York.

H. KNIFE SCABBARDS.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
A. G. Spalding & Bros., 241 Broadway, New York.

I. POWDER FLASKS.
Ideal Mfg. Co., New Haven, Conn.
A. G. Spalding & Bros., 241 Broadway, New York.
Waterbury Brass Co., Waterbury, Conn.

J. SHOT BELTS.
Strong Firearms Co., New Haven, Conn.
A. G. Spalding & Bros., 241 Broadway, New York.

	Von Lengerke & Detmold, 8 Murray St., New York.
	Waterbury Brass Co., Waterbury, Conn.
K. SHOT POUCHES.	A. G. Spalding & Bros., 241 Broadway, New York.
	Waterbury Brass Co., Waterbury, Conn.
2565. INDIAN CLUBS.	F. Cundey, 210 Quarry St., Philadelphia, Pa.
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.
	S. H. Kimball & Co., Everett, Mass.
	A. Meinecke & Son, Milwaukee, Wis.
	Narragansett Machine Co., Providence, R. I.
	H. Rademaker & Sons, Grand Rapids, Mich.
	A. G. Spalding & Bros., 241 Broadway, New York.
2566. JACK STONES.	H. H. Harvey, 116 High St., Boston, Mass.
	H. L. Judd & Co., 87 Chambers St., New York.
	Shepard Hardware Co., Buffalo, N. Y.
2567. JUMP ROPES.	John H. Sunderman & Co., Quincy, Ill.
	Tate & Co., Malden, Mass.
2568. LAWN TENNIS GOODS.	R. Bliss Mfg. Co., Pawtucket, R. I.
	Chapman Mfg. Co., Meriden, Conn.
	E. I. Horsman, 341 Broadway, New York.
	Peck & Snyder, 126 Nassau St., New York.
	A. G. Spalding & Bros., 241 Broadway, New York.
	Wright & Ditson, 580 Washington St., Boston, Mass.
A. TENNIS RACKET COVERS.	Von Lengerke & Detmold, 8 Murray St., New York.
2569. MASKS.	American Mask Mfg. Co., Findlay, O.
	Dessart Bros., 110 Chambers St., New York.
	A. G. Spalding & Bros., 241 Broadway, New York.
2570. MICROSCOPES, TOY.	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
2571. NETS, SPORTING.	R. J. Ederer & Co., 151 Wabash Av., Chicago, Ill.
2572. NOVELTIES, TOY.	Milton Bradley Co., Springfield, Mass.
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.
	W. S. Reed Toy Co., Leominster, Mass.
	A. Schoenhut & Co , 2215 Adams St., Philadelphia, Pa.
2573. PARLOR GAMES & AMUSEMENTS.	
A. AGATE RAILWAYS.	R. Bliss Mfg. Co., Pawtucket, R. I.
B. BACKGAMMON BOARDS.	Milton Bradley Co., Springfield, Mass.
	Koch Sons & Co., 543 Pearl St., New York.
	McLoughlin Bros., 623 Broadway, New York.
	W. S. Reed Toy Co., Leominster, Mass.
C. BAGATELLE TABLES.	M. A. E. Redgrave, Jersey City, N. J.
D. CHECKERS.	Milton Bradley Co., Springfield, Mass.
	Embossing Co., Albany, N. Y.
	E. B. Estes & Sons, 254 Pearl St., New York.
	F. Grote & Co., 114 E. 14th St., New York.
E. CHECKER BOARDS.	Milton Bradley Co., Springfield, Mass.
	Andrew Homan Co., 440 Water St., New York.
	Koch Sons & Co., 543 Pearl St., New York.
	McLoughlin Bros., 623 Broadway, New York.
F. CHESSMEN.	Milton Bradley Co., Springfield, Mass.
	Bernard Dreyfuss, 79 Duane St., New York.
	Celluloid Co., Newark, N. J. *252
	F. Grote & Co., 114 E. 14th St., New York.
G. CRIBBAGE BOARDS.	American Pin Co., Waterbury, Conn.
	F. Grote & Co., 114 E. 14th St., New York.
	C. W. Le Count, S. Norwalk, Conn.
H. DICE.	A. Ball & Bro., 85 Market St., Chicago, Ill.
	Jas. C. Collin, Syracuse, N. Y.
	F. Grote & Co., 114 E. 14th St., New York.
I. DICE CUPS.	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
	Koch Sons & Co., 543 Pearl St., New York.
	Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
J. DOMINOES.	Embossing Co., Albany, N. Y.
	F. Grote & Co., 114 E. 14th St., New York.
	Westcott Bros. Co., Seneca Falls, N. Y.
K. GAMES.	Milton Bradley Co., Springfield, Mass.
	E. B. Estes & Sons, 254 Pearl St., New York.
	E. I. Horsman, 341 Broadway, New York.
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.
	McLoughlin Bros., 623 Broadway, New York.
	W. S. Reed Toy Co., Leominster, Mass.
	Towel Rack & Novelty Mfg. Co., Providence, R. I.
	Waverly Toy Works, Waverly, N. Y.
	Westcott Bros. Co., Seneca Falls, N. Y.
L. GAME BOARDS.	Wm. G. Dillingham, 51 South St., New York.
M. GAME & CARD COUNTERS.	Arlington Mfg. Co., 392 Broadway, New York.
	A. Ball & Bro., 85 Market St., Chicago, Ill.
	Brunswick-Balke-Collender Co., 860 Broadway, New York.

Dennison Mfg. Co., 26 Franklin St. Boston, Mass.
F. Grote & Co., 114 E. 14th St., New York.
McDonnell Odometer Co., 350 Kedzie Av., Chicago, Ill.

N. PARLOR BILLIARD TABLES. C. G. Akam Mfg. Co., 22 Adams St., Chicago, Ill.
Brunswick-Balke-Collender Co., 860 Broadway, New York.

O. PLAYING CARD CASES. A. Ball & Bro., 85 Market St., Chicago, Ill.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Meriden Britannia Co., Meriden, Conn.

P. POKER CHIPS. Arlington Mfg. Co., 392 Broadway, New York.
A. Ball & Bro., 85 Market St., Chicago, Ill.
Celluloid Co., Newark, N. J. *252
F. Grote & Co., 114 E. 14th St., New York.

Q. PUZZLES. Milton Bradley Co., Springfield, Mass.
McLoughlin Bros., 623 Broadway, New York.
W. S. Reed Toy Co., Leominster, Mass.
Westcott Bros. Co., Seneca Falls, N. Y.

R. RING TOSS. R. Bliss Mfg. Co., Pawtucket, R. I.

S. SECTIONAL PICTURES. Milton Bradley Co., Springfield, Mass.

T. WHIST BOARDS. American Pin Co., Waterbury, Conn.

U. WHIST MARKERS. Celluloid Co., Newark, N. J. *252
F. Grote & Co., 114 E. 14th St., New York.

2574. PENNY TOYS. Monroeton Mfg. Co., Monroeton, Pa.

2575. PIANOS, TOY. A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.

2576. PISTOL CASES. E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.

2577. PISTOL HOLSTERS. E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
John P. Lovell Arms Co., 147 Washington St., Boston, Mass.
Jacob Straus Saddlery Co., 410 N. 6th St., St. Louis, Mo.
Von Lengerke & Detmold, 8 Murray St., New York.

2578. POLO GOODS. F. Cundey, 210 Quarry St., Philadelphia, Pa.
H. Rademaker & Sons, Grand Rapids, Mich.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.
A. G. Spalding & Bros., 241 Broadway, New York.

2579. QUOITS. Chalfant Mfg. Co., Atglen, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
J. H. Sunderman & Co., Quincy, Ill.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.

2580. RATTLES. Celluloid Co., Newark, N. J. *252
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
Sidney Shepard & Co., Buffalo, N. Y.

A. IVORY RATTLES. F. Grote & Co., 114 E. 14th St., New York.

2581. RETURN BALLS. Monroeton Mfg. Co., Monroeton, Pa.

2582. SAD IRONS AND STANDS, TOY.
Chalfant Mfg. Co., Atglen, Pa.
H. L. Judd & Co., 87 Chambers St., New York.
J. & E. Stevens Co., Cromwell, Conn.

2583. SAFES, TOY. Chalfant Mfg. Co., Atglen, Pa.

2584. SAFETY RIFLES AND PARTS.
H. M. Quackenbush, Herkimer, N. Y.

2585. SEASIDE PAILS AND SHOVELS.
Joseph Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Troy Stamping Works, Troy, N. Y.

2586. SEE SAWS. Canton Saw Co., Canton, O.

2587. SKATES.

A. ICE SKATES. Barney & Berry, Springfield, Mass.
Florence Machine Co., Florence, Mass.
Goodyear Buckle Co., 243 Broadway, New York.
M. C. Henley, Richmond, Ind.
Merwin Hulbert & Co., 26 W. 23d St., New York.
Keene Mfg. Co., Marlboro, N. H.
P. Lowentraut, Newark, N. J.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

B. ROLLER SKATES. J. H. Fenton, 267 Wabash Av., Chicago, Ill.
John P. Lovell Arms Co., 147 Washington St., Boston, Mass.
P. Lowentraut, Newark, N. J.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.

C. SKATE ROLLERS. H. Chapin's Son, Pine Meadow, Conn.
F. Cundey, 210 Quarry St., Philadelphia, Pa.
Ripley Mfg. Co., Unionville, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

D. SKATE STRAPS. J. H. Fenton, 267 Wabash Av., Chicago, Ill.
Union Hardware Co., Torrington, Conn.

2588. SLEDS.		
A. CHILDREN'S SLEDS.	Berrien Springs Mfg. Co., Berrien Springs, Mich.	
	Gilbert Mfg. Co., Bainbridge, N. Y.	
	Maine Mfg. Co., Fairfield, Me.	
	Ottawa Gate Mfg. Co., Ottawa, O.	
	Paris Mfg. Co., S. Paris, Me.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
B. CHILDREN'S SLEIGHS.	Gilbert Mfg. Co., Bainbridge, N. Y.	
	Heinz & Munschauer, Buffalo, N. Y.	
	A. Meinecke & Son, Milwaukee, Wis.	
	Paris Mfg. Co., S. Paris, Me.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
C. COASTING SLEDS.	R. Boericke & Co., 501 N. Wells St., Chicago, Ill.	
	Garton Toy Co., Sheboygan, Wis.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
	Union Mfg. Co., Toledo, O.	
D. DOUBLE RUNNERS.	Paris Mfg. Co., S. Paris, Me.	
E. PERAMBULATOR SLEIGHS.	A. Meinecke & Son, Milwaukee, Wis.	
2589. SPORTING CLOTHING.	A. G. Spalding & Bros., 241 Broadway, New York.	
	Von Lengerke & Detmold, 8 Murray St., New York.	
2590. SPORTING GOODS.	A. Ball & Bro., 85 Market St., Chicago, Ill.	
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.	
	Peck & Snyder, 126 Nassau St., New York.	
	A. G. Spalding & Bros., 241 Broadway, New York.	
2591. STEAM ENGINES, TOY.	Weeden Mfg. Co., New Bedford, Mass.	
2592. STILTS.	W. J. Clark & Co., Salem, O.	*121
2593. SWINGS.		
A. AUTOMATIC SWINGS.	Johnston, Tallman & Co., 46 Park Place, New York.	
	C. C. Rogers, Trenton, N. J.	
B. PARLOR SWINGS.	Garton Toy Co., Sheboygan, Wis.	
2594. SWING CHAIRS.	Boylston Carriage Co., 102 William St., New York.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
A. BABY JUMPERS.	Boylston Carriage Co., 102 William St., New York.	
2595. TARGETS.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.	
	H. M. Quackenbush, Herkimer, N. Y.	
A. CLAY PIGEONS.	Chamberlain Cartridge Co., Cleveland, O.	
	Ligowsky Clay Pigeon Co., 68 W. 3d St., Cincinnati, O.	
B. FLYING TARGETS.	Ligowsky Clay Pigeon Co., 68 W. 3d St., Cincinnati, O.	
C. GLASS BALLS.	Wormer Glass Co., Pittsburgh, Pa.	
2596. TARGET TRAPS.	Cleveland Target Co., Cleveland, O.	
A. PIGEON TRAPS.	Chamberlain Cartridge Co., Cleveland, O.	
	Cleveland Target Co., Cleveland, O.	
	Ligowsky Clay Pigeon Co., 68 W. 3d St., Cincinnati, O.	
	Parker Bros., Meriden, Conn.	
B. SNIPE TRAPS.	Cleveland Target Co., Cleveland, O.	
C. TRAP PULLS.	Chamberlain Cartridge Co., Cleveland, O.	
2597. TELEPHONES, TOY.	R. Bliss Mfg. Co., Pawtucket, R. I.	
2598. TOBOGGANS.	Chas. H. Emerson & Co., Burlington, Vt.	
	A. Meinecke & Son, Milwaukee, Wis.	
	Paris Mfg. Co., S. Paris, Me.	
	J. H. Rushton, Canton, N. Y.	
2599. TOOLS, TOY.	Chalfant Mfg. Co., Atglen, Pa.	
	New England Specialty Mfg. Co., N. Easton, Mass.	
	Union Mfg. Co., Toledo, O.	
2600. TOOL CHESTS, BOYS'.	American Tool Co., 200 W. Houston St., New York.	
	R. Bliss Mfg. Co., Pawtucket, R. I.	
	New England Specialty Mfg. Co., N. Easton, Mass.	
2601. TOYS.	R. Bliss Mfg. Co., Pawtucket, R. I.	
	Milton Bradley Co., Springfield, Mass.	
	P. E. Chase Mfg. Co., Rutland, Vt.	
	Crandall & Co., 569 3d Av., New York.	
	Harris Toy Co., Toledo, O.	
	Hodgman Rubber Co., 459 Broadway, New York.	
	E. I. Horsman, 341 Broadway, New York.	
	Ives, Blakeslee & Williams Co., Bridgeport, Conn.	
	Samuel Kirby, Middletown, Conn.	
	L. H. Mace & Co., 111 E. Houston St., New York.	
	W. S. Reed Toy Co., Leominster, Mass.	
	St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.	
	A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.	
	Shepard Hardware Co., Buffalo, N. Y.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
	South Bend Toy Mfg. Co., South Bend, Ind.	
	Thomass' Tin Toy Co., 77 Schermerhorn St., Brooklyn, N. Y.	
	Waverly Toy Works, Waverly, N. Y.	

Westcott Bros. Co., Seneca Falls, N. Y.

A. IRON TOYS.
Chalfant Mfg. Co., Atglen, Pa.
Harris Toy Co., Toledo, O.
Ives, Blakeslee & Williams Co., Bridgeport, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Shepard Hardware Co., Buffalo, N. Y.
J. & E. Stevens Co., Cromwell, Conn.
Watson Iron Works Co., Bridgeport, Conn.

B. MECHANICAL TOYS.
Chas. F. Brailling, Bridgeport, Conn.
Bridgeport Toy Co., Bridgeport, Conn.
Harris Toy Co., Toledo, O.
Ives, Blakeslee & Williams Co., Bridgeport, Conn.
Jerome B. Secor, Bridgeport, Conn.
Star Mfg. Co., New Haven, Conn.
Thomass' Tin Toy Co., 77 Schermerhorn St., Brooklyn, N. Y.

C. STEAM TOYS.
Ives, Blakeslee & Williams Co., 294 Broadway, New York.
Weeden Mfg. Co., New Bedford, Mass.

D. TIN TOYS.
Leo. Schlesinger & Co., 129 Crosby St., New York.

E. TOPS.
Monroeton Mfg. Co., Monroeton, Pa.

F. TOY HELMETS & CAPS.
A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.

2602. TRICKS.
Eureka Trick & Novelty Co., 87 Warren St., New York.
Towel Rack Novelty Mfg. Co., Providence, R. I.

2603. TRUNKS, TOY.
A. Meinecke & Son, Milwaukee, Wis.
T. B. Peddie & Co., Newark, N. J.
Schmidt Bros. Trunk Co., Oshkosh, Wis.
Edw. Simon & Bros., Newark, N. J.

2604. TUBS AND WASHBOARDS, TOY.
Union Mfg. Co., Toledo, O.

2605. VELOCIPEDES, CHILDREN'S.
Boylston Carriage Co., 102 William St., New York.
Crandall & Co., 569 3d Av., New York.
Gendron Iron Wheel Co., Toledo, O.
Gilbert Mfg. Co., Bainbridge, N. Y.
Harris Metal Wheel Co., Toledo, O.
Kalamazoo Railroad Velocipede Co., Kalamazoo, Mich.
S. H. Kimball & Co., Everett, Mass.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.
S. A. Smith & Co., Brattleboro', Vt. *102
Toledo Metal Wheel Co., Toledo, O.
Wilkinson Mfg. Co., Binghamton, N. Y.

A. GIRLS' PROPELLERS.
Boylston Carriage Co., 102 William St., New York.
Crandall & Co., 569 3d Av., New York.

2606. WAGONS, TOY.
Baker & Wilson, Baldwinsville, Mass.
Crandall & Co., 569 3d Av., New York.
Flecther & Webster Furniture Co., Nashua, N. H.
Gendron Iron Wheel Co., Toledo, O.
Gilbert Mfg. Co., Bainbridge, N. Y.
D. Higham & Sons, 2650 E. Cumberland St., Philadelphia, Pa.
John W. Lauterbach, 121 Chambers St., New York.
L. H. Mace & Co., 111 E. Houston St., New York.
P. J. Marqua Co., Evans St. near 8th, Cincinnati, O.
A. Meinecke & Son, Milwaukee, Wis.
Nashua Novelty Works, Nashua, N. H.
Paris Mfg. Co., S. Paris, Me.
W. S. Reed Toy Co., Leominster, Mass.
S. A. Smith & Co., Brattleboro', Vt. *102
South Bend Toy Mfg. Co., South Bend, Ind.
Spence, Kohl & Warner, Centralia, Ill.
Tricycle Mfg. Co., Springfield, O.
Union Mfg. Co., Toledo, O.
Wilkinson Mfg. Co., Binghamton, N. Y.

A. BOYS' SULKIES.
Paris Mfg. Co., S. Paris, Me.

B. CHILDREN'S WAGONS.
W. J. Clark & Co., Salem, O. *121
D. Higham & Sons, 2650 E. Cumberland St., Philadelphia, Pa.
S. A. Smith & Co., Brattleboro', Vt. *102
South Bend Toy Mfg. Co., South Bend, Ind.
Wilkinson Mfg. Co., Binghamton, N. Y.

C. COASTING WAGONS.
Wilkinson Mfg. Co., Binghamton, N. Y.

D. DOG & GOAT SULKIES.
Gendron Iron Wheel Co., Toledo, O.
Gilbert Mfg. Co., Bainbridge, N. Y.
South Bend Toy Mfg. Co., South Bend, Ind.
Toledo Metal Wheel Co., Toledo, O.

E. DOG & GOAT WAGONS.
Gilbert Mfg. Co., Bainbridge, N. Y.
S. A. Smith & Co., Brattleboro', Vt. *102
South Bend Toy Mfg. Co., South Bend, Ind.

	Wilkinson Mfg. Co., Binghamton, N. Y.	
F. EXPRESS WAGONS, TOY.	W. J. Clark & Co., Salem, O.	*121
	Garton Toy Co., Sheboygan, Wis.	
	Gendron Iron Wheel Co., Toledo, O.	
	Gilbert Mfg. Co., Bainbridge, N. Y.	
	A. Meinecke & Son, Milwaukee, Wis.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
G. SPRING WAGONS, TOY.	W. J. Clark & Co., Salem, O.	*121
	Gendron Iron Wheel Co., Toledo, O.	
2607. WHEELBARROWS, TOY.		
	Gendron Iron Wheel Co., Toledo, O.	
	A. Meinecke & Son, Milwaukee, Wis.	
	Nashua Novelty Works, Nashua, N. H.	
	Paris Mfg. Co., South Paris, Me.	
	S. A. Smith & Co., Brattleboro', Vt.	*102
	South Bend Toy Mfg. Co., South Bend, Ind.	
	Toledo Metal Wheel Co., Toledo, O.	
	Union Mfg. Co., Toledo, O.	
2608. WHIPS, TOY.	Peter Currier, 519 Powell St., Philadelphia, Pa.	
2609. WHISTLES.	F. A. Allen & Co., Monmouth, Ill.	
	Bridgeport Gun Implement Co., Bridgeport, Conn.	
	Celluloid Co., Newark, N. J.	*252
	Sidney Shepard & Co., Buffalo, N. Y.	
A. DOG CALLS.	Medford Fancy Goods Co., 44 Duane St., New York.	
	Waterbury Brass Co., Waterbury, Conn.	
2610. ZOETROPES.	Milton Bradley Co., Springfield, Mass.	
	T. H. McAllister, 49 Nassau St., New York.	

XL. TRADES SUPPLIES.

2611. ALBUM AND BIBLE CLASPS.	
	J. F. Kitchell Mfg. Co., Newark, N. J.
2612. ALMOND MEAL.	H. A. & F. L. Miner, Malden, Mass.
A. ALMOND PASTE.	San Jose Fruit Packing Co., San Jose, Cal.
2613. ANNEALING POTS.	Riverside Foundry Works, Cleveland, O.
	Wheeler Foundry Co., Worcester, Mass.
2614. ARTIFICIAL FLOWER & FEATHER MATERIALS.	
	Dominick Rossi, 114 Bleecker St., New York.
2615. ASBESTOS.	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
	J. A. McConnell & Co., Pittsburgh, Pa.
	Shields & Brown Co., 240 Randolph St., Chicago, Ill.
	Western Mineral Wool Co., Cleveland, O.
	James F. Wood & Co., Wilmington, Del.
A. ASBESTOS MATERIALS.	Asbestos Packing Co., 169 Congress St., Boston, Mass.
	Philip Carey Mfg. Co., 119 Gilbert Av., Cincinnati, O.
	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
B. ASBESTOS RUBBER TAPES.	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
C. ASBESTOS TUBES.	Asbestos Packing Co., 169 Congress St., Boston, Mass.
	Chalmers-Spence Co., 419 8th St., New York.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
D. MINERAL WOOL.	Chicago Fire Proof Covering Co., 37 Michigan St., Chicago, Ill.
	H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
	John A. McConnell & Co., Pittsburgh, Pa.
	U. S. Mineral Wool Co., 80 Cortlandt St., New York.
	Pittsburgh Mineral Wool Co., Etna, Pa.
	Western Mineral Wool Co., Cleveland, O.
2616. ASPHALT.	Barber Asphalt Paving Co., Washington, D. C.
	Gabriel & Schnall, 205 Pearl St., New York.
	Moen's Asphaltic Cement Co., 103 Maiden Lane, New York.
	Neufchatel Asphalt Co., Ltd., 265 Broadway, New York.
	L. A. Salomon & Bro., 216 Pearl St., New York.
	M. Taylor Paving Co., 15 State St., New York.
	Warren-Scharf Asphalt Paving Co., 114 John St , New York.
2617. ASSAYERS' SUPPLIES.	Eimer & Amend, 205 Third Av., New York.
	Taunton Crucible Co., Taunton, Mass.

2618. BAG FRAMES.
R. C. Jenkinson & Co., Newark, N. J.
J. F. Kitchell Mfg. Co., Newark, N. J.
R. Neumann & Co., Newark, N. J.
Edward Simon & Bros., Newark, N. J.

A. BAG MOUNTINGS.
B. Conlan & Co., Newark, N. J.
R. C. Jenkinson & Co., Newark, N. J.
J. F. Kitchell Mfg. Co., Newark, N. J.

B. SATCHEL FRAMES.
August Goertz & Co., Newark, N. J.
J. F. Kitchell Mfg. Co., Newark, N. J.
R. Neumann & Co., Newark, N. J.

2519. BAKERS' FINDINGS.
McDowell Oven & Furnace Co., 121 Haverhill St., Boston, Mass.

2620. BANDS, DRY GOODS.
Hofstetter Bros., 719 Vine St., Philadelphia, Pa.

A. HOSIERY BANDS.
Hofstetter Bros., 719 Vine St., Philadelphia, Pa.

2621. BARBERS' SUPPLIES.
Crandall & Godley, 157 Franklin St., New York.
J. Hambleton & Son, 219 Spruce St., Philadelphia, Pa.
Gus. Knecht Mfg. Co., 38 Randolph St., Chicago, Ill.
Meriden Britannia Co., Meriden, Conn.

A. BARBERS' URNS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Manning, Bowman & Co., Meriden, Conn.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

2622. BEE KEEPERS' SUPPLIES.
J. J. Bradner, Findlay, O.
Chas. Dadant & Son, Hamilton, Ill.
Wyman L. Edson, Union Center, N. Y.
A. G. Hill, Kendallville, Ind.
Ligonier Mfg. Co., Ligonier, Ind.
Chas. F. Muth & Son, Freeman & Central Avs., Cincinnati, O.
A. I. Root, Medina, O.

A. BEE HIVES.
Berlin Fruit Box Co., Berlin Heights, O.
C. W. Costello, Waterborough, Me.
H. D. Davis, Bradford, Vt.
Drake & Smith, Bristol, Vt.
Falconer Mfg. Co., Jamestown, N. Y.
A. G. Hill, Kendallville, Ind.
Chas. F. Muth & Son, Freeman & Central Avs., Cincinnati, O.
Petaluma Incubator Co., Petaluma, Cal.
A. I. Root, Medina, O.
Smith & Smith, Kenton, O.

B. BEE SMOKERS.
Chas. F. Muth & Son, Freeman & Central Avs., Cincinnati, O.
Petaluma Incubator Co., Petaluma, Cal.

C. COMB FOUNDATION.
Chas. Dadant & Son, Hamilton, Ill.
A. I. Root, Medina, O.

D. HONEY EXTRACTORS.
A. G. Hill, Kendallville, Ind.
Chas. F. Muth & Son, Freeman & Central Avs., Cincinnati, O.
A. I. Root, Medina, O.

E. SECTION BOXES.
A. I. Root, Medina, O.

F. WAX EXTRACTORS,
A. G. Hill, Kendallville, Ind.

2623. BEDSTEAD JOINTS.
Branford Joint Co., Plymouth, Mass.

2624. BELLHANGERS' SUPPLIES.
Midland Electric Co., Omaha, Neb.
W. R. Ostrander Co., 195 Fulton St., New York.
J. F. Wollensak, 225 Lake St., Chicago, Ill.

2625. BELTING.

A. ANGULAR BELTING.
Gaudy Belting Co., Baltimore, Md.
Underwood Mfg. Co., Tolland, Conn. *53

B. CANVAS BELTING.
Chesapeake Belting Co., Baltimore, Md.

C. COTTON BELTING.
Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.
Empire Mfg. Co., Lockport, N. Y.
Eureka Fire Hose Co., 13 Barclay St., New York.
Greenwoods Co., New Hartford, Conn.
Jeffrey Mfg. Co., Columbus, O.
Main Belting Co., 248 Randolph St., Philadelphia, Pa.
Neville & Co., San Francisco, Cal.
Pearce, Atkins & Co., 114 W. 2d St., Cincinnati, O.
Russell Mfg. Co., Middletown, Conn.
H. S. Sawyer's Heirs, Colebrook River, Conn.
Underwood Mfg. Co., Tolland, Conn. *53

D. ENDLESS APRONS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.

E. HAIR BELTING.
Rossendale Belting Co., Newark, N. J.

F. LEATHER BELTING.
Akron Belting Co., Akron, O.
Alexander Bros., 410 N. 3d St., Philadelphia, Pa.
American Oak Leather Co., 141 Main St., Cincinnati, O.

American Supply Co., Providence, R. I. *173
Bay State Belting Co., 119 Franklin St., Boston, Mass.
Bickford & Francis Belting Co., Buffalo, N. Y.
Bradford Belting Co., 2d & Walnut Sts., Cincinnati, O.
Brown Bros. & Co., Providence, R. I.
A. Burgess & Son, Providence, R. I.
A. H. & J. Craige, 1528 Randolph St., Philadelphia, Pa.
Croul Bros. Leather Co., 27 Bates St., Detroit, Mich.
Jas. Davis Belting Co., Pawtucket, R. I.
Fairbrother Belting Co., Pawtucket, R. I.
Fayerweather & Ladew, 28 Spruce St., New York.
Josiah Gates & Sons, Lowell, Mass.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Graton & Knight Mfg. Co., Worcester, Mass.
Herkner & Stine, 8 Ferry St., New York.
R. Hoffeld & Co., Buffalo, N. Y.
Jewell Belting Co., Hartford, Conn.
Lane Mfg. Co., Montpelier, Vt. *192
John H. McGowan Co., 42 Central Av., Cincinnati, O.
Newark Leather Belting Co., 32 Ferry St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
Page Belting Co., Concord, N. H.
Providence Belting Co., Providence, R. I.
J. E. Rhoads & Sons, Wilmington, Del.
Chas. A. Schieren & Co., 45 Ferry St., New York.
Shultz Belting Co., 402 Barton St., St. Louis, Mo. *54
Horace B. Silliman, Cohoes, N. Y.
George Slate's Sons, Williamsport, Pa.
James Smith & Co., 137 Market St., Philadelphia, Pa.
Underwood Mfg. Co., Tolland, Conn. *53
Union Belt Co., Fall River, Mass.
Van Riper Mfg. Co., Paterson, N. J.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Isaac Williams & Son, Dover, N. H.

G. LEATHER BELTING, OAK.
Akron Belting Co., Akron, O.
American Oak Leather Co., 141 Main St., Cincinnati, O.
American Supply Co., Providence, R. I. *173
Bay State Belting Co., 119 Franklin St., Boston, Mass.
Brown Bros. & Co., Providence, R. I.
R. A. Butler, Central Falls, R. I.
Graton & Knight Mfg. Co., Worcester, Mass.
Herkner & Stine, 8 Ferry St., New York.
Jewell Belting Co., Hartford, Conn.
Charles Munson Belting Co., 36 S. Canal St., Chicago, Ill.
Newark Leather Belting Co., 32 Ferry St., New York.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
B. F. Nichols Belting Co., Holyoke, Mass.
Providence Belting Co., Providence, R. I.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Chas. A. Schieren & Co., 45 Ferry St., New York.
Troy Belting & Supply Co., Troy, N. Y.
Weatherhead & Thompson Co., Pawtucket, R. I.

H. LEATHER BELTING, RAWHIDE CENTRE.
New York Leather Belting Co., Brooklyn, N. Y.
Shultz Belting Co., 402 Barton St., St. Louis, Mo. *54
Weatherhead & Thompson Co., Pawtucket, R. I.

I. LEATHER LINK BELTING.
American Leather Link-Belt Co., 72 Cliff St., New York.
Moline Malleable Iron Co., Moline, Ill.
Shultz Belting Co., 402 Barton St., St. Louis, Mo. *54

J. MILL STROPPING.
Page Belting Co., Concord, N. H.

K. RAWHIDE BELTING.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
William Coupe & Co., S. Attleboro', Mass.
Newark Leather Belting Co., 32 Ferry St., New York.
Weatherhead & Thompson Co., Pawtucket, R. I.

L. ROLLER CHAIN BELTING.
Jeffrey Mfg. Co., Columbus, O.
Link-Belt Machine Co., 39th St. & Stewart Av., Chicago, Ill.

M. ROUND BELTING.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Herkner & Stine, 8 Ferry St., New York.
Newark Leather Belting Co., 32 Ferry St., New York.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
Providence Belting Co., Providence, R. I.
Sewing Machine Supplies Co., 105 Summer St., Boston, Mass.
Underwood Mfg. Co., Tolland, Conn. *53
Weatherhead & Thompson Co., Pawtucket, R. I.

N. RUBBER BELTING.
Akron Rubber Works, Akron, O.
Boston Belting Co., 256 Devonshire St., Boston, Mass.

Boston Woven Hose Co., Cambridgeport, Conn.
W. F. Bowers & Co., San Francisco, Cal.
Wm. B. Brooks & Co., 47 Murray St., New York.
Chelsea Wire Fabric Rubber Co., Chelsea, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Combination Roll & Rubber Co., 38 Park Row, New York.
Conant Rubber Co., Hartford, Conn.
Empire Rubber Co., Trenton, N. J.
Erie Rubber Co., Erie, Pa.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., Matteawan, N. Y.
North Western Rubber Co., 141 Lake St., Chicago, Ill.
Page Belting Co., Concord, N. H.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

O. TWISTED BELTING. Underwood Mfg. Co., Tolland, Conn. *53

P. WATCH TWIST BELTING. Underwood Mfg. Co., Tolland, Conn. *53

Q. WATERPROOF BELTING. Graton & Knight Mfg. Co., Worcester, Mass.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
Weatherhead, Thompson & Co., Pawtucket, R. I.

R. WIRE BELTING. Chicago Wire & Spring Co., 307 Northern Office Bldg., Chicago, Ill.
Maddock Wire Belting Co., Saccarappa, Me.

2626. BELT COUPLINGS.

Billings & Spencer Co., Hartford, Conn. *103
Buffalo Specialty Mfg. Co., 67 Washington St., Buffalo, N. Y.
Case Mfg. Co., Columbus, O.
Crescent Mfg. Co., Cleveland, O.
Pedrick & Ayer, 1001 Hamilton St., Philadelphia, Pa.
Silver Lake Co., Newtonville, Mass.

A. BELT HOOKS. Brown Bros. & Co., Providence, R. I.
S. Budlong & Co., Providence, R. I.
Buffalo Specialty Mfg. Co., Buffalo, N. Y.
F. A. Chase & Co., Providence, R. I.
Jewell Belt Hook Co., Hartford, Conn.
E. Jenckes Mfg. Co., Pawtucket, R. I.
Landers, Frary & Clark, New Britain, Conn.
Southwick Bros., 182 South St., New York.
W. O. Talcott, Providence, R. I.
Upson Nut Co., Unionville, Conn.
Wire Goods Co., Worcester, Mass.

B. ROUND BELT COUPLINGS. A. & C. W. Holbrook, Providence, R. I.
Silver Lake Co., Newtonville, Mass.

2627. BELT DRESSING.

American Oil Co., Providence, R. I.
Barnum Bros. Co., Troy, N. Y.
Buffalo Specialty Mfg. Co., 67 Washington St., Buffalo, N. Y
E. F. Houghton & Co., 211 S. Front St., Philadelphia, Pa.
Page Belting Co., Concord, N. H.
Pearce, Atkins & Co., 114 W. 2d St., Cincinnati, O.
E. L. Post & Co., 50 Cliff St., New York.
Providence Oil Works, Providence, R. I.
Southwick Bros., 182 South St., New York.

2628. BELT HOLDERS & SHIFTERS.

Akron Iron Co., Akron, O.
Schenck Belt Holder & Shifter Co., 93 Liberty St., New York.

2629. BELT LACINGS.

Brown Bros. & Co., Providence, R. I.
Chas. Dempwolf, Jr., Paterson, N. J.
Herkner & Stine, 8 Ferry St., New York.
Jewell Belting Co., Hartford, Conn.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
Page Belting Co., Concord, N. H.
Chas. A. Schieren & Co., 45 Ferry St., New York.

A. LACE LEATHER. C. Anstedt & Son, Milwaukee, Wis.
Bay State Belting Co., 119 Franklin St., Boston, Mass.
Brown Bros. & Co., Providence, R. I.
A. Burgess & Son, Providence, R. I.
James Davis Belting Co., Pawtucket, R. I.
Josiah Gates & Sons, Lowell, Mass.
Herkner & Stine, 8 Ferry St., New York.

Jewell Belting Co., Hartford, Conn.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
Norwich Belt Mfg. Co., Norwich, Conn.
Page Belting Co., Concord. N. H.
Chas. A. Schieren & Co., 45 Ferry St., New York.
Underwood Mfg. Co., Tolland, Conn. *53
F. B. Wiggins & Co., E. Saginaw, Mich.

B. RAWHIDE LACING.
Brown Bros. & Co., Providence, R. I.
A. Burgess & Son, Providence, R. I.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Wm. Coupe & Co., S. Attleboro', Mass.
Jewell Belting Co., Hartford, Conn.
New York Leather Belting Co., 471 Kent Av., Brooklyn, N. Y.
Page Belting Co., Concord, N. H.
Weatherhead, Thompson & Co., Pawtucket, R. I.

C. TIPPED LACING.
Fletcher Mfg. Co., Providence, R. I.
Jewell Belting Co., Hartford, Conn.
Chas. A. Schieren & Co., 45 Ferry St., New York.

2630. BENCH COLUMNS, CAST.
Brown & Sharpe Mfg. Co., Providence, R. I.
J. B. & J. M. Cornell, 141 Centre St., New York.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204
Geo. H. Sanborn & Sons, 69 Beekman St., New York.

2631. BENT WOOD.
Richmond Bentwood Co., Richmond, Ind.
John J. Wright, Bremen, Ind.

2632. BESSEMER CONVERTERS.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Dickson Mfg. Co., Scranton, Pa.
Riter & Conley, Pittsburgh, Pa.

2633. BILLIARD TABLE BEDS.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
California Slate Co., San Francisco, Cal.
E. L.Goodrich & Co., Fair Haven, Vt.
Hazard Slate Co., Fair Haven, Vt.

2634. BLACKSMITHS' APRONS.
T. H. Bullock Bellows & Forge Co., Cleveland, O.

2635. BLAST FURNACE WORK.
Allentown Foundry & Machine Co., Allentown, Pa. *128
Reading Iron Co., Reading, Pa.

A. BLAST FURNACE FITTINGS.
Atlas Bronze & Tuyere Co., Pittsburgh, Pa.
Taws & Hartman, 1235 N. Front St., Philadelphia, Pa.

2636. BLEACHERS' SUPPLIES.
Chambers, Calder & Co., Providence, R. I.

2637. BOILER COMPOUND.
Crescent Mfg. Co., Cleveland, O.
H. J. Delaney & Co., Milwaukee, Wis.
Downie Boiler Incrustation Preventative Co.,San Francisco, Cal.
Gleason Boiler Compound Co., Cleveland, O.
Jas. F. Hotchkiss, 112 Liberty St., New York.
Litofuge Mfg. Co., 62 John St., New York.
Geo. W. Lord, 316 Union St., Philadelphia, Pa.
Reliance Oil & Grease Co., Cleveland, O. *72
Stevenson Bro. & Co., 132 S. 2d St., Philadelphia, Pa.
D. A. Stuart & Co., 8 State St., Chicago, Ill.
J. C. Winans, 220 Fremont St., San Francisco, Cal.

2638. BOILER AND STEAM PIPE COVERINGS.
De Long & French, Allegheny, Pa.
A. C. Kemper, 208 Lake St., Chicago, Ill.
Laing Mfg. Co., Pittsburgh, Pa.
John A. McConnell & Co., Pittsburgh, Pa.
S. C. Nightingale & Childs, 134 Pearl St., Boston, Mass.
Riley Bros., Troy, N. Y.
Shields & Brown Co., 240 Randolph St., Chicago, Ill.
Chas. W. Trainer & Co., 44 Oliver St., Boston, Mass.
Wyckoff Pipe Co., Williamsport, Pa.

A. ASBESTOS COVERINGS.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
Philip Carey Mfg Co., 119 Gilbert Av., Cincinnati, O.
Chalmers-Spence Co., 419 8th St., New York.
Cincinnati Asbestos & Roofing Co., 104 Plum St.,Cincinnati, O.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
H. F. Watson Co., Erie, Pa.
Western Mineral Wool Co., Cleveland, O.

B. MAGNESIA SECTIONAL COVERINGS.
Magnesia Sectional Covering Co., Ambler, Pa.

C. SECTIONAL COVERINGS.
Philip Carey Mfg. Co., 119 Gilbert Av., Cincinnati, O.

H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John A. McConnell & Co., Pittsburgh, Pa.
H. F. Watson Co., Erie, Pa.
Western Mineral Wool Co., Cleveland, O.

D. STEAM PIPE CASING. A. Wyckoff & Son, Elmira, N. Y.

2639. BONE, GROUND.

A. BONE ASH. Michigan Carbon Works, Detroit, Mich.

B. BONE BLACK. H. J. Baker & Bro., 215 Pearl St., New York.
Empire Carbon Works, 220 N. 2d St., St. Louis, Mo.
Michigan Carbon Works, ft. of 1st St., Detroit, Mich.
Novelty Bone Works, W. Troy, N. Y.

C. BONE DUST. H. J. Baker & Bro., 215 Pearl St., New York.
Cleveland Dryer Co., Cleveland, O.
Chas. Cooper & Co., 194 Worth St., New York.
P. B. Mathiason & Co., 5310 N. 2d St., St. Louis, Mo.
C. Mayer, Maspeth, N. Y.
Michigan Carbon Works, ft. of 1st St., Detroit, Mich.
Novelty Bone Works, W. Troy, N. Y.
Quincy Fertilizer & Rendering Co , Quincy, Ill.

D. BONE FLOUR. H. J. Baker & Bro., 215 Pearl St., New York.
Michigan Carbon Works, ft. of 1st St., Detroit, Mich.

E. BONE MEAL. H. J. Baker & Bro., 215 Pearl St., New York.
Empire Carbon Works, 220 N. 2d St., St. Louis, Mo.
Michigan Carbon Works, ft. of 1st St., Detroit, Mich.
York Chemical Works, York, Pa.

2640. BOOK HEAD BANDS.

Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.

2641. BOOK CLOTH.

Interlaken Mills, Providence, R. I.

A. IMITATION BOOK CLOTH. Charles Beck Paper Co., 609 Chestnut St., Philadelphia, Pa.

2642. BOOT AND SHOE SUPPLIES.

Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.
Bridgeport Elastic Web Co., Bridgeport, Conn.
M. S. Cahill & Co., 94 Lincoln St., Boston, Mass.
Jas. Clark & Co., 3d & Vine Sts., St. Louis, Mo.
Globe Buffer Co., 110 Lincoln St., Boston, Mass.
Robert Harkinson & Co., 315 N. 2d St., Philadelphia, Pa.
C. L. Hauthaway & Sons, 233 Congress St., Boston, Mass.
Frank E. Howe, 127 Summer St., Boston, Mass.
Frederick K. Piper, 87 High St., Boston, Mass.
Arthur W. Pope & Co., 45 High St., Boston, Mass.
Wm. H. Wiley & Son, Hartford, Conn.

A. BOOT & SHOE COUNTERS. Harwood Mfg. Co., 91 Summer St., Boston, Mass.
Frank Hilliard, Lynn, Mass.
Houghton & Godfrey, Lynn, Mass.
Melcher & Spinney, Lynn, Mass.
D. S. Packard & Co., Brockton, Mass.
Parker Bros., Lynn, Mass.
Russell Counter Co., 96 Summer St., Boston, Mass.

B. BOOT & SHOE STIFFENINGS. Harwood Mfg. Co., 91 Summer St., Boston, Mass.
Houghton & Godfrey, Lynn, Mass.
Mousam Mfg. Co., Kennebunk, Me.
Parker Bros., Lynn, Mass.
S. B. Rogers & Co., 108 Lincoln St., Boston, Mass.

C. BOOT FELT. Chas. N. Bacon, 52 Federal St., Boston, Mass.
City Mills, City Mills, Mass.
Grand Rapids Felt Boot Co., Grand Rapids, Mich.

D. BURNISHERS' INK. Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.
N. B. Fletcher & Co., Lynn, Mass.
Houghton & Godfrey, Lynn, Mass.
Frank Miller & Sons, 349 W. 26th St., New York. *17
O. O. Patten & Co., Brockton, Mass.
Pike, Ordway & Stuart, 96 Beverly St., Boston, Mass.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

E. CUT SOLES. Baxter, Stoner & Schenkelberger, 74 Lincoln St., Boston, Mass.
Willis W. George, Lynn, Mass.
Frank Hilliard, Lynn, Mass.
J. K. Krieg & Co., 39 Warren St., New York.
J. F. Schoellkopf's Sons, Buffalo, N. Y.

F. FELT SOLES. Chas. N. Bacon, 52 Federal St., Boston, Mass.

G. HEELS. W. A. Barr & Son, Spencer, Mass.
E. D. Barrows & Son, Worcester, Mass.
P. Calnan, Woburn, Mass.
F. P. Cheeney & Son, Haverhill, Mass.
E. J. Donahue, Haverhill, Mass.
Green Bros., Milford, Mass.
Houghton & Godfrey, Lynn, Mass.
John F. Mansfield & Co., 219 North St., Boston, Mass.

	Ross Heel Co., S. Easton, Mass.
	F. M. Shaw & Son, Brockton, Mass.
	Star Heel Mfg. Co., Lynn, Mass.
H. LEATHER DRESSING.	Eclipse Cement Co., 1240 N. 44th St., Philadelphia, Pa.
	Page Belting Co., Concord, N. H.
	Restorff & Bettman, 70½ Pine St., New York.
	Universal Leather Lacquer Co., Franklin, Mass.
	Whittemore Bros. Co., 237 Albany St., Boston, Mass.
I. LEATHER SHOE BINDING.	A. B. Martin & Co., 76 High St., Boston, Mass.
	M. H. Merriam, Lexington, Mass.
	Palmer, Smith & Co., Newark, N. J.
	Parker Bros., Lynn, Mass.
J. RUBBER SHOE LININGS.	Draper Bros. & Co., Canton, Mass.
	Houghton & Godfrey, Lynn, Mass.
K. SHOE BUTTONS.	H. L. Cushman & Co., Taunton, Mass.
	M. M. Rhodes & Sons Co., Taunton, Mass.
	Standard Mfg. Co., Providence, R. I.
L. SHOE PEGS.	Brockton Stay Co., Brockton, Mass.
	Robert Chase & Co., Northumberland, N. H.
	A. F. Cox & Son, Portland, Me.
	Crawford, McGregor & Canby, Dayton, O.
	Kearsarge Peg Co., Bartlett, N. H.
	Kingsley Bros., Salisbury Centre, N. Y.
	J. G. McCarter, 100 Utica St., Boston, Mass.
M. SHOE SHANKS.	A. F. Cox & Son, Portland, Me.
	Potter & Watson, 108 Beach St., Boston, Mass.
	H. W. & F. W. Reed, Brockton, Mass.
N. SHOE SHANKS, STEEL.	Atlas Tack Corporation, Sears' Building, Boston, Mass.
	Briner Bros., 54 Rutgers St., New York.
	A. F. Cox & Son, Portland, Me.
	D. A. Gurney & Co., Whitman, Mass.
	Jenkins Bros. & Co., Whitman, Mass.
O. SHOE STAINS.	Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.
	A. F. Cox & Son, Portland, Me.
	Crooker Mfg. Co., Lynn, Mass.
P. SHOE STUDS.	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.
	Lacing Stud Co., 55 Lincoln St., Boston, Mass.
Q. SHOE TAPS.	Baxter, Stoner & Schenkelburger, 74 Lincoln St., Boston, Mass.
	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.
	J. K. Krieg & Co., 39 Warren St., New York.
R. SHOE TIPS.	American Shoe Tip Co., 134 Summer St., Boston, Mass.
	Jos. H. Cochey, Lynn, Mass.
	A. F. Cox & Son, Portland, Me.
	I. W. Dawson & Co., Newark, N. J.
	Fitchburg Shoe Tip Co., Fitchburg, Mass.
	Houghton & Godfrey, Lynn, Mass.
	L. E. Martin, Haverhill, Mass.
	Sole Leather Tip Co., Fitchburg, Mass.
S. SHOE TOP LIFTS.	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.
	J. K. Krieg & Co., 39 Warren St., New York.
. SHOE TONGUES.	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.
	W. J. Windram & Son, 40 Oliver St., Boston, Mass.
U. SHOE TRIMMINGS.	Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.
	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.
	Parker Bros., Lynn, Mass.
	Smith & Quereaux, Lynn, Mass.
V. SHOE UPPERS.	J. D. Chantler & Co., Pittsburgh, Pa.
	A. F. Cox & Son, Portland, Me.
	P. R. S. Hardenbergh & Co., St. Paul, Minn.
	Alfred Scannell, 310 Market St., St. Louis, Mo.
W. SHOE WELTS.	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.
	Standard Welting Co., 376 Atlantic Av., Boston, Mass.
	Williams, Hoyt & Co., Rochester, N. Y.
X. WELT FASTENERS.	Acme Staple & Machine Co., Marshall & Willow Sts., Phila., Pa.
Y. WOOL SOLES.	A. F. Cox & Son, Portland, Me.
	Houghton & Godfrey, Lynn, Mass.

2643. BOTTLERS' & BREWERS' SUPPLIES.

A. AGEING OIL.	Chaskel Chemical Co., 177 Pearl St., New York.
	Alexander Fries & Bros., 46 E. 2d St., Cincinnati, O.
B. BEER CONTRACTS.	Geo. Leis, Lawrence, Kan.

C. BOTTLE CAPS.
Bernardin Bottle Cap Co., Evansville, Ind.
Best & Co., 60 W. 23d St., New York.
Manning, Bowman & Co., Meriden, Conn.
Truslow & Co., 219 Pearl St., New York.

D. BOTTLE CAPSULES.
Clough & Maconnell, 132 Nassau St., New York.
John J. Crooke Co., 186 Grand St., New York.
Lehmaier, Schwartz & Co., 33 Bleecker St., New York.
Truslow & Co., 219 Pearl St., New York.
Wittemann Bros., 188 William St., New York.

E. BOTTLE STOPPERS.
Carl Hutter, 34 Reade St , New York.
Truslow & Co., 219 Pearl St., New York.
A. H. Wirz, 917 Cherry St., Philadelphia, Pa.

F. BOTTLE TOPS.
W. H. Hutchinson & Son, 196 S. Desplaines St., Chicago, Ill.
Chas. A. Luther & Co., Pawtucket, R. I.
Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
Truslow & Co., 219 Pearl St., New York.
Wittemann Bros., 188 William St., New York.

G. BOTTLE WASHERS.
Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
Truslow & Co., 219 Pearl St., New York.

H. BOTTLERS' COLORINGS.
Chaskel Chemical Co., 177 Pearl St., New York.
De Lisser & Co., 457 W. 26th St., New York.
Firm of John Matthews, 1st Av. & 26th St., New York.
Alexander Fries & Bros., 46 E. 2d St., Cincinnati, O.
Robt. MacKinnon, Little Falls, N. Y.
Truslow & Co., 219 Pearl St., New York.
Williams Bros., Rome, N. Y.
D. D. Williamson, 14 Dey St., New York.

I. BOTTLERS' FLAVORS.
Chaskel Chemical Co., 177 Pearl St., New York.
Alexander Fries & Bros., 46 E. 2d St., Cincinnati, O.
J. Roemheld & Co., 204 S. Halstead St., Chicago, Ill.
Wm. Rudkins Sons, 69 John St., New York.
Truslow & Co., 219 Pearl St., New York.

J. BOTTLERS' SUPPLIES.
Hugo Cahn & Co., 67 Murray St., New York.
Chaskel Chemical Co., 177 Pearl St., New York.
N. H. Heyman, 438 E. 59th St., New York.
Jones Mfg. Co., 243 Franklin St., Boston, Mass.
Truslow & Co., 219 Pearl St., New York.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.
Wm. Zinsser & Co., 197 William St., New York.

K. BOTTLERS' SYRUPS.
Cincinnati Syrup & Molasses Co., 15 Main St., Cincinnati, O.
Cleveland Cider Co., Unionville, O.
Hammerschlag Mfg. Co., 234 Greenwich St., New York.
N. W. Taussig & Co., 379 Washington St., New York.
Truslow & Co., 219 Pearl St., New York.
West India Mfg. Co., 13 N. 2d St., St. Louis, Mo.

L. BREWERS' PITCH.
D. J. Ogilvy, Gest. & C. H. & D. R. R., Cincinnati, O.
Truslow & Co., 219 Pearl St., New York.
Wm. Zinsser & Co., 197 William St., New York.

M. BREWERS' SUPPLIES.
Hugo Cahn & Co., 67 Murray St., New York.
C. Ehlermann Hop & Malt Co., 22d St. & Scott Av., St. Louis, Mo.
Hauser & Sons Malting Co., St. Paul, Minn.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Truslow & Co., 219 Pearl St., New York.

N. FRUIT JUICE.
Beach & Clarridge, 41 India St., Boston, Mass.
W. H. Hutchinson & Son, 196 S. Desplaines St., Chicago, Ill.
Mihalovitch, Fletcher & Co., 170 E. Pearl St., Cincinnati, O.
Nicholas Rath & Co., 30 S. William St., New York.
I. Calvin Shafer Co., Ltd., 86 Cortlandt St., New York.

O. WIRE CORKSCREWS.
Clough & Maconnell, 132 Nassau St., New York.
National Mfg. Co., Worcester, Mass.
C. F. Williamson Wire Novelty Co., Newark, N. J.

P. WIRE LOOPS.
American Buckle & Cartridge Co., West Haven, Conn.
W. H. Hutchinson & Son, 196 S. Desplaines St., Chicago, Ill.
Truslow & Co., 219 Pearl St., New York.

2644. BRAIDED BANDINGS.
Ossawan Mills Co., Norwich, Conn. *6_5

2645. BRASSES, MACHINERY.
Atlas Bronze & Tuyere Co., Pittsburgh, Pa.
John H. McGowan Co., 42 Central Av., Cincinnati, O.

A. ROLLING MILL BRASSES.
Atlas Bronze & Tuyere Co., Pittsburgh, Pa.
Chicago Brass Co., 76 Monroe St., Chicago, Ill.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

B. SNUFF MILL BRASSES.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

2646. BRICK & TILE YARD SUPPLIES.
D. J. C. Arnold, New London, O.
Frey-Sheckler Co., Bucyrus, O. *16_2

J. W. Penfield & Son, Willoughby, O.
C. W. Raymond & Co, Dayton, O.
Tiffin Agricultural Works, Tiffin, O.

2647. BROOM CORN. G. F. Howell & Co., 205 N. Water St., Philadelphia, Pa.

2648. BRUSH MAKERS' SUPPLIES.

A. BRISTLES. Peter Woll & Sons, 169 Berks St., Philadelphia, Pa.
B. BRISTLE MIXTURES. E. B. & A. C. Whiting, Burlington, Vt.
C. BRUSH BACKS. Vanstone Mfg. Co., Providence, R. I.
D. BRUSH BANDS. H. O. Lothrop & Co., 312 Dorchester Av., Boston, Mass.
E. BRUSH BLOCKS. Gardner & Bros., Buffalo, N. Y.
Mahle Boring Machine Co., Corry, Pa.
F. BRUSH FIBRE. Ellis Thayer, Pawtucket, R. I. *64
E. B. & A. C. Whiting, Burlington, Vt.
G. BRUSH HANDLES. A. S. Whitcomb, Keene, N. H.
H. BRUSH HEADS. Holgate Bros. Co., Kane, Pa.
I. BRUSH PLUGS. A. S. Whitcomb, Keene, N. H.
J. STAMPED METAL BACKS. Matthews & Willard Mfg. Co., Waterbury, Conn.

2649. BUCKLES.

A. BELT BUCKLES. American Buckle & Cartridge Co., W. Haven, Conn.
M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
R. C. Jenkinson & Co., Newark, N. J.
Lane Mfg. Co., Waterbury, Conn.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Henry Smith, Newark, N. J.
Waterbury Buckle Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.
B. GARTER BUCKLES. American Buckle & Cartridge Co., W. Haven, Mass.
Lane Mfg. Co., Waterbury, Conn.
C. HAT BUCKLES. American Buckle & Cartridge Co., W. Haven, Mass.
M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
H. M. Richards & Co., 7 Green St., Boston, Mass.
D. OVERSHOE BUCKLES. American Buckle & Cartridge Co., W. Haven, Conn.
Goodyear Buckle Co., 14 Dunham Place, Brooklyn, N. Y.
Hammond Buckle Co., Rockville, Conn.
Meriden Buckle Co., Meriden, Conn.
Judson L. Thompson Mfg. Co., Waltham, Mass.
E. SUSPENDER BUCKLES. American Buckle & Cartridge Co., W. Haven, Conn.
Beeman Bros. Mfg. Co., Swanton, Vt.
Jas. Molloy & Co., New Haven, Conn.
Suffolk Mfg. Co., L & E. 1st Sts., S. Boston, Mass.
Traut & Hine Mfg. Co., New Britain, Conn.
West Haven Buckle Co., W. Haven, Conn.
F. TROUSERS BUCKLES. American Buckle & Cartridge Co., W. Haven, Conn.
B. Goodman Mfg. Co., Bridgeport, Conn.
West Haven Buckle Co., W. Haven, Conn.
G. VENTILATED BUCKLES. Armstrong Mfg. Co., Bridgeport, Conn. *154

2650. BULLION MOULDS. Fulton Iron Works, San Francisco, Cal.

2651. BUTCHERS' & PACKERS' SUPPLIES.

Boomer & Boschert Press Co., 235 Greenwich St., New York.
B. Gloekler, Pittsburgh, Pa.
Henrichson & Bro., 389 Vine St., Cincinnati, O.
McElroy & Armitage, Keokuk, Iowa.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
S. Oppenheimer & Co., 96 Pearl St., New York.
Rankin Mfg. Co., Allegheny, Pa.

2652. CABINET TRIMMINGS. Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.

2653. CANE MOUNTINGS. Simons, Bro. & Co., 618 Chestnut St., Philadelphia, Pa.
L. Winckler, 142 Fulton St., New York.
Wright Bros. & Co., 324 Market St., Philadelphia, Pa.
A. CANE HEADS. J. Briggs & Sons Co., Providence, R. I.
Emil Fox, 133 Crosby St., New York.
J. F. Fradley & Co., 23 John St., New York.
F. Grote & Co., 114 E. 14th St., New York.
Hearn & Braitsch, Providence, R. I.
F. J. Kaldenberg Co., 213 E. 33d St., New York.
F. P. Locklin & Bro., 202 Broadway, New York.
Osborn & Co., Lancaster, Pa.
Simons, Bro. & Co., 618 Chestnut St., Philadelphia, Pa.
William Tietze, 4 Liberty Place, New York.
L. Winckler, 142 Fulton St., New York.

2654. CAN JACKETS. Michigan Barrel Co., Grand Rapids, Mich.

2655. CARPET BINDINGS.

A. CARPET CORNERS. Robert S. Gould Co., 236 E. 43d St., New York.
B. METALLIC BINDINGS. Robert S. Gould Co., 236 E. 43d St., New York.
Painesville Metallic Binding Co., Painesville, O.

United States Metallic Binding Co., Painesville, O.

C. OIL CLOTH BINDING.
H. L. Judd & Co., 87 Chambers St., New York.

2656. CARTRIDGE BLANKS.
Coe Brass Mfg. Co., Torrington, Conn.

2657. CASE HARDENING MATERIAL.
Michigan Carbon Works, Detroit, Mich.
Rogers & Hubbard Co., Middletown, Conn.

2658. CASTER WHEELS.
Novelty Wood Works, Union City, Pa.
Union Hardware Co., Torrington, Conn.
Williams & Marvin, Deep River, Conn.

2659. CASTINGS.

A. AGRICULTURAL MACHINERY CASTINGS.
Lebanon Mfg. Co., Lebanon, Pa.
National Malleable Castings Co., Cleveland, O.
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Syracuse Malleable Iron Works, Syracuse, N. Y.
Whiteley Malleable Iron Co., Springfield, O.
Wisconsin Malleable Iron Co., Milwaukee, Wis.

B. BRASS CASTINGS.
Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.
American Pin Co., Waterbury, Conn.
American Tool & Machine Co., 84 Kingston St., Boston, Mass.
Ames Sword Co., Chicopee, Mass.
Atwood Bros. Mfg. Co., Amesbury, Mass.
Best, Fox & Co., Pittsburgh, Pa.
Birmingham Iron Foundry, Birmingham, Conn.
Booth, Lloyd & Co., Youngstown, O.
Bridgeport Brass Co., Bridgeport, Conn. *27
A. W. Cadman & Co., Pittsburgh, Pa.
B. H. Cramp & Co., York & Thompson Sts., Philadelphia, Pa.
Crown Smelting Co., Chester, Pa.
Diamond State Iron Co., Wilmington, Del.
Dickson Mfg. Co., Scranton, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
Epping, Carpenter & Co., Ltd., Pittsburgh, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Frontier Iron & Brass Works, Detroit, Mich.
A. J. Fullmer & Co., Camden, N. J.
M. T. Gleeson, Columbus, O.
James Gregory, 106 Cannon St., New York.
Wm. A. Harris Steam Engine Co., Providence, R. I.
Hewes & Phillips Iron Works, Newark, N. J.
Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Hooks Smelting Co., Broad & Hamilton Sts., Philadelphia, Pa.
D. A. Hopkins Mfg. Co., 143 Liberty St., New York.
Hurlbut Mfg. Co., Racine Junction, Wis.
Litchfield Car & Machine Co., Litchfield, Ill.
Livermore Foundry & Machine Co., Memphis, Tenn.
J. H. McLain Machine Co., Canton, O. *115
McNab & Harlin Mfg. Co., Paterson, N. J.
Paxton & Vierling Iron Works, Omaha, Neb.
Peck Bros. & Co., New Haven, Conn.
Phœnix Iron Co., Trenton, N. J.
Pittsburgh Brass Co., Allegheny, Pa.
Racine Hardware Mfg. Co., Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.
J. E. Randle & Co., Memphis, Tenn.
J. Regester & Sons, Baltimore, Md.
Scovill Mfg. Co., Waterbury, Conn.
Springfield Brass Co., Springfield, O.
Springfield Foundry Co., Springfield, Mass.
E. Stebbins Mfg. Co., Springfield, Mass.
Stewart & Mattson Mfg. Co., 2045 N. 10th St., Phila., Pa.
William Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Chas. M. Theberath, Newark, N. J.
Valk & Murdock Iron Works, Charleston, S. C
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wainwright Mfg. Co. of Mass., 8 Oliver St., Boston, Mass.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
West Point Foundry & Machine Works, West Point, Ga.
Whittier Machine Co., 1776 Tremont St., Boston, Mass.
Wilcox, Crittenden & Co., Middletown, Conn.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

C. BRASS WORK, HEAVY.
James M. Everhart, Scranton, Pa.
Phœnix Iron Co., Trenton, N. J.
John E. Randle & Co., Memphis, Tenn.

	Sharpless & Watts, 1522 Chestnut St., Philadelphia, Pa.	
D. BRIDGE CASTINGS.	Baugher, Kurtz & Stewart, York, Pa.	
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.	
	Dickson Mfg. Co., Scranton, Pa.	
	Ensign Mfg. Co., Huntington, W. Va.	
	Lake Shore Foundry, Cleveland, O.	
	Litchfield Car & Machine Co., Litchfield, Ill.	
	George R. Lombard & Co., Augusta, Ga.	
	Mowry Car Wheel Wks., East. Av. & Lewis Sts., Cincinnati, O.	
	Novelty Iron Works, Dubuque, Iowa.	
	Par lee Car & Machine Works, Watsontown, Pa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
E. BRIDGE PIER CASTINGS.	Adams & Westlake Co., Ontario & N. Franklin Sts., Chicago, Ill.	
	Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.	
	Ames Sword Co., Chicopee, Mass.	
	Atlas Bronze & Tuyere Co., Pittsburgh, Pa.	
	B. H. Cramp & Co., York and Thompson Sts., Phila., Pa.	
	Crown Smelting Co., Chester, Pa.	
	F. L. Gaylord Co., Ansonia, Conn.	
	James Gregory, 106 Cannon St., New York.	
	Novelty Iron Works, Dubuque, Iowa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Springfield Brass Co., Springfield, O.	
	Stewart & Mattson Mfg. Co., 2052 N. 10th St., Phila., Pa.	
	Vulcan Iron Works, 86 N. Clinton St., Chicago, Ill.	
	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
F. BUILDING CASTINGS.	Geo. R. Lombard & Co., Augusta, Ga.	
	Morgan, Kelly & Taneyhill, Osage, Iowa.	
	Novelty Iron Works, Dubuque, Iowa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
G. CANAL BOAT CASTINGS.	Armitage-Herschell Co., Tonawanda, N. Y.	*249
H. COKE OVEN CASTINGS.	Dickson Mfg. Co., Scranton, Pa.	
I. COMPOSITION METAL CASTINGS.	Crown Smelting Co., Chester, Pa.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	James Gregory, 106 Cannon St., New York.	
	Phœnix Iron Co., Trenton, N. J.	
J. COPPER CASTINGS.	Bouton Foundry Co , 39th & Winter Sts., Chicago, Ill.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	E. H. Williams & Son, 107 Plymouth St., Jersey City, N. J.	
K. DRAIN CASTINGS.	Walworth O. Barbour & Co., Cambridgeport, Mass.	
L. ELEVATOR CASTINGS.	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.	
M. GERMAN SILVER CASTINGS.	Chas. M. Theberath, Newark, N. J.	
N. GRAY IRON CASTINGS.	Bouton Fdry. Co., 39th & Winter Sts., Chicago, Ill.	
	Bowler & Co., Cleveland, O.	
	Bridgeport Malleable Iron Co., Bridgeport, Conn.	
	Haight & Clark, Albany, N. Y.	
	James L. Haven Co., 56 Plum St., Cincinnati, O.	
	Hoyt & Wynkoop, Troy, N. Y.	
	Hurlbut Mfg. Co., Racine Junction, Wis.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Racine Hardware Mfg. Co., Racine, Wis.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Springfield Foundry Co., Springfield, Mass.	
	Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	G. F. Warner Mfg. Co., New Haven, Conn.	
	Wilcox, Crittenden & Co., Middletown, Conn.	
O. GRAY IRON CASTINGS, HEAVY.	Ft. Scott Foundry & Mach. Works Co., Ft. Scott, Kan.	
	McLagon Foundry Co., New Haven, Conn,	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Stover Mfg. Co., Freeport, Ill.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
P. GRAY IRON CASTINGS, LIGHT.	Bridgeport Malleable Iron Co., Bridgeport, Conn.	
	Empire Portable Forge Co., Lansingburgh, N. Y.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	Moore Mfg. & Foundry Co., Millwaukee, Wis.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	G. Robmann & Co., N. 13th & Noble Sts., Philadelphia, Pa.	
	Sinclair-Scott Mfg. Co., Baltimore, Md.	*116
	Springfield Foundry Co., Springfield, Mass.	
	Stover Mfg. Co., Freeport, Ill.	
	Taylor & Boggis Foundry Co., Cleveland, O.	
Q. GUN METAL CASTINGS.	Crown Smelting Co., Chester, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131

R. IRON CASTINGS.

E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
Ainslie, Cochran & Co , Louisville, Ky.
Allison Mfg. Co , 32d & Walnut Sts., Philadelphia, Pa.
American Tool & Mach. Co., 84 Kingston St., Boston, Mass.
Arcade Malleable Iron Co., Worcester, Mass.
Arnold & Co., Norwalk, Conn.
Baugher, Kurtz & Stewart, York, Pa.
Birmingham Iron Foundry, Birmingham, Conn.
Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
S. Cheney & Son, Manlius, N. Y.
Cleveland Ship Building Co., Cleveland, O.
Columbus Mfg. Co., Columbus. O.
Sam'l J. Creswell Iron Works, 23d & Cherry Sts., Phila., Pa.
R. Deeley & Co., 507 W. 32d St., New York.
Defiance Machine Works, Defiance, O.
Diamond State Iron Co., Wilmington, Del.
Dickson Mfg. Co., Scranton, Pa.
Drummond Mfg. Co., Louisville, Ky.
Edgecomb Agricultural Works, Tarboro', N. C.
El Paso Foundry & Mach. Co., El Paso, Tex.
Farrell Foundry & Machine Co., Ansonia, Conn.
Filer & Stowell Co., Milwaukee, Wis.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Fulton Foundry Co., Cleveland, O.
William A. Harris Steam Engine Co., Providence, R. I.
Harrisburg Car. Mfg. Co.(Fdry & Mach. Dept.),Harrisburg, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
R. F. Hawkins Iron Works, Springfield, Mass.
Hoefinghoff & Laue Foundry Co.,146 E. Front St. Cincinnati, O.
Holyoke Machine Co., Holyoke, Mass.
Hurlbut Mfg. Co., Racine Junction, Wis.
Jackson & Woodin Mfg. Co , Berwick, Pa.
E. D. Jones' Sons & Co., Pittsfield, Mass.
Kenny & Co., Scott Dale, Pa.
Kilburn, Lincoln & Co., Fall River, Mass.
Victor Knecht, 195 Wade St., Cincinnati, O.
Lebanon Mfg. Co., Lebanon, Pa.
Litchfield Car & Machine Co., Litchfield, Ill.
Livermore Foundry & Machine Co., Memphis, Tenn.
Geo. R. Lombard & Co., Augusta, Ga.
McDaniel & Harvey Co.,S.16th St.& Washington Av.,Phila.,Pa.
McLagon Foundry Co., New Haven, Conn.
Mechanics Iron Fdry.Co.,Kemple & Hampden Sts.,Boston,Mass.
Mellert Foundry & Machine Co., Ltd., Reading, Pa.
James Moore, 16th & Buttonwood Sts., Philadelphia, Pa.
J. L. Mott Iron Works, 90 Beekman St., New York.
Northwestern Malleable Iron Co., Milwaukee, Wis.
Novelty Iron Works, 3124 Market St., Philadelphia, Pa.
John T. Noye Mfg. Co., Buffalo, N. Y.
Ewald Over, Indianapolis, Ind.
Pacific Iron Works, Bridgeport, Conn.
Paige Mfg. Co., Painesville, O. *130
Palmers & DeMooy Foundry Co., Cleveland,O.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Phœnix Iron Co., Trenton, N. J.
Phenix Iron Foundry, Providence, R. I.
Pratt & Letchworth, Buffalo, N. Y.
Racine Hardware Mfg. Co., Racine, Wis.
Reynolds Iron Works, New Orleans, La.
Rhode Island Malleable Iron Works, Hill Grove, R. I.
Shepard Hardware Co., Buffalo, N. Y.
H. B. Smith Co , Westfield, Mass. *55
Springfield Foundry Co., Springfield, Mass.
A. J. Sweeney & Son, Wheeling, W. Va. *61
Syracuse Malleable Iron Works, Syracuse, N. Y.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Taylor & Boggis Foundry Co., Cleveland, O.
William Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Valk & Murdock, Charleston, S. C.
Vulcan Iron Co., Richmond, Va.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Vulcan Iron Works, New Britain, Conn.
Wainwright Mfg. Co., of Mass., 8 Oliver St., Boston, Mass.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

	A. B. & W. T. Westervelt, 102 Chambers St., New York.	
	West Point Foundry & Mach. Works, West Point, Ga.	
	Whittier Mach. Co., 1176 Tremont St., Boston, Mass.	
	Wilmington Malleable Iron Co., Wilmington, Del.	
	Wisconsin Malleable Iron Co., Milwaukee, Wis.	
	Wrenn, Whitehurst & Co., Norfolk, Va.	
S. IRON CASTINGS, HEAVY.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Walworth O. Barbour & Co., Cambridgeport, Mass.	
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.	
	Chattanooga Foundry & Pipe Co., Chattanooga, Tenn.	
	Robt. Deeley & Co., 507 W. 32d St., New York.	
	Delamater Iron Works, 21 Cortlandt St., New York.	
	Joshua Hendy Machine Works, San Francisco, Cal.	
	Lebanon Mfg. Co., Lebanon, Pa.	
	Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	J. E. Randel & Co., Memphis, Tenn.	
	Southwark Fdry. & Mach. Co., Wash. Av. & S. 5th St., Phila., Pa.	
	St. Louis Iron & Machine Works, 1001 S. Main St., St. Louis, Mo.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
T. IRON CASTINGS, LIGHT.	Allentown Foundry & Machine Co., Allentown, Pa.	*128
	Walworth O. Barbour & Co., Cambridgeport, Mass.	
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.	
	Chattanooga Foundry & Pipe Co., Chattanooga, Tenn.	
	Griswold Mfg. Co., Erie, Pa.	
	Joshua Hendy Machine Works, San Francisco, Cal.	
	McLagon Foundry Co., New Haven, Conn.	
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.	
	Shepard Hardware Co., Buffalo, N. Y.	
	Springfield Foundry Co., Springfield, Mass.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	
U. IRON FURNACE CASTINGS.	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.	
	Dickson Mfg. Co., Scranton, Pa.	
	Lebanon Mfg. Co., Lebanon, Pa.	
	Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.	
	Young & Schlough, Easton, Pa.	
V. MALLEABLE IRON CASTINGS.	Bridgeport Malleable Iron Co., Bridgeport, Conn.	
	Dayton Malleable Iron Co., Dayton, O.	
	Eberhard Mfg. Co., Cleveland, O.	
	Elbel & Co., Canton, O.	
	W. & E. T. Fitch, New Haven, Conn.	
	Stanley G. Flagg & Co., N. 19th St. & Penna. Av., Phila., Pa.	
	Frazer & Jones Co., Syracuse, N. Y.	
	James L. Haven Co., 56 Plum St., Cincinnati, O.	
	Malleable Iron Fittings Co., Branford, Conn.	
	National Malleable Castings Co., Cleveland, O.	
	Naugatuck Malleable Iron Co., Naugatuck, Conn.	
	O. B. North & Co., New Haven, Conn.	
	Northwestern Malleable Iron Co., Milwaukee, Wis.	
	Pratt & Letchworth, Buffalo, N. Y.	
	Racine Malleable & Wrought Iron Co., Racine, Wis.	
	Springfield Malleable Iron Co., Springfield, O.	
	Syracuse Malleable Iron Works, Syracuse, N. Y.	
	Troy Malleable Iron Co., Troy, N. Y.	
	Union Malleable Iron Co., Moline, Ill.	
	Vulcan Iron Works, New Britain, Conn.	
	Walworth Mfg. Co., 16 Oliver St., Boston, Mass.	
	G. F. Warner Mfg. Co., New Haven, Conn.	
	Whiteley Malleable Iron Co., Springfield, O.	
	Wilcox, Crittenden & Co., Middletown, Conn.	
	Wisconsin Malleable Iron Co., Milwaukee, Wis.	
W. MANGANESE BRONZE CASTINGS.	B. H. Cramp & Co., York & Thompson Sts., Philadelphia, Pa.	
	Union Iron Works, San Francisco, Cal.	
X. MILL CASTINGS.	Franklin Machine Co., Providence, R. I.	
	Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Young & Schlough, Easton, Pa.	
Y. PHOSPHOR-BRONZE CASTINGS.	Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.	
Z. PLANING MILL CASTINGS.	Armitage-Herschell Co., Tonawanda, N. Y.	*249
AA. ROLLING MILL CASTINGS.	Cleveland Wheel & Foundry Co., Cleveland, O.	
	Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.	
BB. SAW MILL CASTINGS.	Armitage-Herschell Co., Tonawanda, N. Y.	*249
	Walworth O. Barbour & Co., Cambridgeport, Mass.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
CC. SHIP CASTINGS.	B. H. Cramp & Co., York & Thompson Sts., Philadelphia, Pa.	

A. Russell & Sons, Newburyport, Mass.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

DD. STEAM BARGE CASTINGS. Armitage, Herschell & Co., Tonawanda, N. Y. *249

EE. STEEL CASTINGS.
Arcade Malleable Iron Co., Worcester, Mass.
Benjamin Atha & Co., Newark, N. J.
Cambria Iron Co., Johnstown, Pa.
Chester Steel Castings Co., Chester, Pa.
Chrome Steel Works, 667 Kent Av., Brooklyn, N. Y.
Detroit Steel & Spring Co., Detroit, Mich.
Stanley G. Flagg & Co., N. 19th St. & Penna. Av., Phila., Pa.
Frazer & Jones Co., Syracuse, N. Y.
Howe, Brown & Co., Ltd., Pittsburgh, Pa.
Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
Malleable Iron Fittings Co., Branford, Conn.
Midvale Steel Co., Nicetown, Philadelphia, Pa.
Pittsburgh Steel Casting Co., Pittsburgh, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Sharon Steel Casting Co., Sharon, Pa.
Shoenberger & Co., Pittsburgh, Pa.
Solid Steel Co., Alliance, O.
Standard Steel Castings Co., Thurlow, Pa.
Syracuse Steel Foundry Co., Syracuse, N. Y.
Robert Wetherill & Co., Chester, Pa.
Whiteley Malleable Iron Co., Springfield, O.

FF. STORE FRONT CASTINGS. William Taylor & Sons, 25 Adams St., Brooklyn, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131

GG. SUBMARINE FOUNDATION CASTINGS. Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.

HH. TIN CASTINGS. Eastwood Wire Mfg. Co., Belleville, N. J.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

II. WATER WORKS CASTINGS. Columbus Mfg. Co., Columbus, O.
Paxton & Vierling Iron Works, Omaha, Neb.
Taunton Locomotive Mfg. Co., Taunton, Mass.

JJ. WROUGHT IRON CASTINGS. Trenton Iron Co., Trenton, N. J.
Wisconsin Mitis Co., Milwaukee, Wis.

KK. YELLOW METAL CASTINGS. E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

2660. CATGUT. Chas. Dempwolf, Jr., Paterson, N. J.

2661. CAULKING COTTON. Wm. E. Hooper & Sons, Baltimore, Md.

2662. CEMENT, ADHESIVE. Van Stan's Stratena Co., Ltd., 210 Evelina St., Philadelphia, Pa.
Wm. Zinsser & Co., 197 William St., New York.

A. BELT CEMENT. Crescent Mfg. Co., Cleveland, O.
A. & C. W. Holbrook, Providence, R. I.
Le Page Co., 50 Central St., Boston, Mass.
Russia Cement Co., Gloucester, Mass.

B. BINDERS' CEMENT. Golding & Co., 177 Ft. Hill Square, Boston, Mass.

C. FIRE PROOF CEMENT. H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

D. LEATHER CEMENT. Crescent Mfg. Co., Cleveland, O.
Eclipse Cement Co., 1240 N. 44th St., Philadelphia, Pa.
A. Major, 232 William St., New York.
Martell Blacking Co., 323 Franklin St., Chicago, Ill.
Paige Belting Co , Concord, N. H.

E. OIL PROOF CEMENT. Perrin Cement Co., Windsor Locks, Conn.

F. RUBBER CEMENT. Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., 226 Devonshire St., Boston, Mass.
Eclipse Cement Co., 1240 N. 44th St., Philadelphia, Pa.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
A. Major, 232 William St., New York.
Martell Blacking Co., 323 Franklin St., Chicago, Ill.
New York Belting & Packing Co., 15 Park Row, New York.
Omaha Rubber Co., Omaha, Neb.
Phœnix Oil Co., 4257 Columbia Av., Philadelphia, Pa.
Robert D. Smith, 305 Arch St., Philadelphia, Pa.

2663. CHICORY. Bachman & Brand, Stockton, Cal.
Krembs & Co., 183 W. Randolph St., Chicago, Ill.

2664. CHINA DECORATORS' GOLD.
L. Cooley, Jr., 38 Tennyson St., Boston, Mass.

2665. CLAY.

A. CHINA CLAY. Bayaud & Stevens, 62 New St., New York.
Carolina Clay Co., Dillsboro', N. C.
Golding & Sons Co., Trenton, N. J.
T. C. Lamar & Co., Langley, S. C.
Richard McNamee & Co., 234 Broadway, New York.
Montague & Co., Chattanooga, Tenn.
Star Clay Co., Mertztown, Pa.

United States Fire Clay Co., New Lisbon, O.
B. MILLED CLAY. Cuba & Leaman Consolidated Clay Works, Cuba, Ill.
J. H. Gautier & Co., Jersey City, N. J.
Howard Dixon Clay Mfg. Co., Fulton, Mo.
Montague & Co., Chattanooga, Tenn.
N. U. Walker Clay Mfg. Co., Walker's, O.

2666. COAL TAR. Baltimore Coal Tar & Mfg. Co., Baltimore, Md.
M. Ehret, Jr. & Co., 423 Walnut St., Philadelphia, Pa.
N. Y. Coal Tar Chemical Co., 10 Warren St., New York.
St. Louis Coal Tar Co., Levee & Convent Sts., St. Louis, Mo.

2667. COAL TAR PRODUCTS.
Wm. J. Matheson & Co., 178 Front St., New York.
Mica Roofing Co., 73 Maiden Lane, New York.

2668. COLLAPSIBLE TUBES. A. H. Wirz, 917 Cherry St., Philadelphia, Pa.

2669. COLORINGS.
A. BURNT SUGAR COLORINGS. Dryden & Palmer, 19 Hudson St., New York.
L. A. Eberhardt, 227 Pearl St., New York.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.
B. CIGAR COLORINGS. Chaskel Chemical Co., 177 Pearl St., New York.
C. FRUIT COLORINGS. J. Mergentime & Co., 153 Chambers St., New York.
A. D. Puffer & Sons Mfg. Co., 38 Portland St., Boston, Mass.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.
D. SUGAR COLORINGS. Chaskel Chemical Co., 177 Pearl St., New York.
Emken Chemical Co., 96 Spring St., New York.
W. H. Hutchinson & Son, 109 S. Desplaines St., Chicago, Ill.
Wm. Lang & Son, 207 Bainbridge St., Philadelphia, Pa.
McKesson & Robbins, 91 Fulton St., New York.
D. D. Williamson, 14 Dey St., New York.
Robt. L. Woods, 48 Dey St., New York.
E. VINEGAR COLORINGS. Chaskel Chemical Co., 177 Pearl St., New York.

2670. CONDUCTOR PIPES. E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
A. CONDUCTOR FITTINGS. Lamb & Ritchie, Cambridgeport, Mass.
B. SPIRAL LOCK SEAM PIPES. Lamb & Ritchie, Cambridgeport, Mass.

2671. COKE OVEN MATERIAL.
Belknap Mfg. Co., Bridgeport, Conn.
Denver Fire Clay Co., Denver, Col.

2672. CONFECTIONERS' SUPPLIES.
Chapman & Smith Co., 136 W. Washington St., Chicago, Ill.
Chaskel Chemical Co., 177 Pearl St., New York.
Crandall & Godley, 157 Franklin St., New York.
McDowell Oven & Furnace Co., 121 Haverhill St., Boston, Mass.
Wood & Selick, 49 Jay St., New York.
A. BONBONNIERES. Edward Jansen, 124 W. 19th St., New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.
B. CHEWING GUM PAPERS. F. M. Bower & Co., 165 Chambers St., New York.
C. CHOCOLATE SYRUP. S. F. Whitman & Son, 606 Cherry St., Philadelphia, Pa.
D. CONFECTIONERS' MOULDS Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.
E. CORNUCOPIAS. Bernard Meyer, 151 Chambers St., New York.
F. LIQUOR CHOCOLATE. Walter Baker & Co., 158 State St., Boston, Mass.
Josiah Webb & Co., Milton, Mass.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.
G PREPARED COCOANUT. Croft & Allen Co., S. 33d & Market Sts., Philadelphia, Pa.
Dunham Mfg. Co., 9 Locust St., St. Louis, Mo.
L. Schepp, 165 Duane St., New York.

2673. CONTRACTORS' SUPPLIES.
Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
H. Hoefer & Co., Dayton, O.
Thornton N. Motley, 26 Liberty St., New York.
Rand Drill Co., 23 Park Place, New York. *218
Ryan-McDonald Mfg. Co., 44 South St., Baltimore, Md,

2674. COOPERS' SUPPLIES. Globe Mfg. Co., Anderson, Ind.
Lain Bros., Kansas City, Mo.
John S. Oram, Cleveland, O.

2675. COPPER BOTTOMS. Ansonia Brass & Copper Co., Ansonia, Conn. *211
New Haven Copper Co., 294 Pearl St., New York.
Taunton Copper Mfg. Co., Taunton, Mass. *51
Wallace & Sons, Ansonia, Conn.

2676. CORSET MATERIALS. Benjamin Bros., Newark, N. J.
F. S. M. Blun & Co., 57 Prince St., New York.
James Bowers & Co., Newark, N. J.
Mayer, Strouse & Co., 412 Broadway, New York.

2677. COTTON. Allen-West Commission Co., 104 S. Main St., St. Louis, Mo.
J. H. Allen & Co., New Orleans, La.
Thomas H. Allen & Co., Memphis, Tenn.

Bowdrie Bros. & Co., Memphis, Tenn.
A. M. Boyd's Sons, Memphis, Tenn.
Carrigan & Silcox, Charleston, S. C.
Day, Horton & Bailey, Memphis, Tenn.
Dillard & Coffin, Memphis, Tenn.
Durham Cotton Mfg. Co., E. Durham, N. C.
Z. N. Estes & Co., Memphis, Tenn.
E. H. Frost & Co., Charleston, S. C.
W. W. Gordon & Co., Savannah, Ga.
Martin, Wise & Fitzhugh, Dallas, Tex.
J. C. Rowland, Savannah, Ga.
G. W. Sentell & Co., New Orleans, La.
Stewart Bros. & Co., New Orleans, La.
Strauss & Co., New Orleans, La.
H. C. Thacher & Co., 16 Pearl St., Boston, Mass.
S. O. Thomas & Co., New Orleans, La.
Wm. Watson & Co., Charleston, S. C.
Julius Weis & Co., New Orleans, La.
Whaley & Rivers, Charleston, S. C.
Wilmington Cotton Mills, Wilmington, N. C.

2678. COTTON BATTING. Arkadelphia Cotton & Woolen Mills, Arkadelphia, Ark.
Beaver Creek & Bluff Mills, Fayetteville, N. C.
H. A. Briggs & Co., Pawtucket, R. I.
N. L. Carpenter & Sons, Natchez, Miss.
Continental Mills, Lewiston, Me.
Graham's Cotton Mills, Rockford, Ill.
Huguley Manufacturing Co., West Point, Ga.
Indiana Cotton Mills, Cannelton, Ind.
January & Wood Co., Maysville, Ky.
Lees Mfg. Co., Westport, Conn.
Lenoir Mfg. Co., Lenoir's, Tenn.
Lockport Cotton Batting Co., Lockport, N. Y.
Massasoit Mfg. Co., Fall River, Mass.
New Albany Cotton Batting Mills, New Albany, Ind.
Penn Cotton Mill, Allegheny, Pa.
Riverside Mills, Augusta, Ga.
T. H. Smith, Jamestown, N. Y.
Speers Mfg. Co., Memphis, Tenn.
Stearns & Foster Co., 14 W. Canal St., Cincinnati, O.
Tennessee Mfg. Co., Nashville, Tenn.
Troy Waste Mfg. Co., Cohoes, N. Y.
Tuscaloosa Mfg. Co., Tuscaloosa, Ala.
Tyler Batting & Yarn Mills, Wyoming, R. I.
Union Wadding Co., Pawtucket, R. I.
Jas. W. Vogdes, Yardville, N. J.
Westport Mfg. Co., Westport, Mass.
Wise, Schieble & Co., Dayton, O.

2679. COTTON SEED CAKE. American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Atlanta Cotton Seed Oil Mills, Atlanta, Ga.
Conetoe Mills, Conetoe, N. C.
Diamond Huller & Oil Co., Memphis, Tenn.
Elberton Oil Mills, Elberton, Ga.
Meriden Oil Mills & Mfg. Co., Meriden, Miss.
Planters' Oil Mill Co., Memphis, Tenn.
Port Gibson Oil Works, Port Gibson, Miss.
Edwin Schofield, 351 Adams St., Brooklyn, N. Y.
Southern Cotton Oil Co., Memphis, Tenn.
Union Oil Co., Providence, R. I.
Valley Oil Mills, Memphis, Tenn.

2680. COTTON SEED HULLS. Atlanta Cotton Seed Oil Mills, Atlanta, Ga.

2681. COTTON SEED MEAL. American Cotton Oil Co., 113 E. 6th St., Cincinnati, O.
Atlanta Cotton Seed Oil Mills, Atlanta, Ga.
Conetoe Mills, Conetoe, N. C.
Co-operative Mfg. Co., Forsyth, Ga.
Diamond Huller & Oil Co., Memphis, Tenn.
Elberton Oil Mills, Elberton, Ga.
Florida Mfg. Co., Madison, Fla.
Gate City Oil Co., 10 Decatur St., Atlanta, Ga.
Greenville Oil Works, Greenville, Miss.
Meriden Oil Mills & Mfg. Co., Meriden, Miss.
Planters' Oil Mill Co., Memphis, Tenn.
Port Gibson Oil Works, Port Gibson, Miss.
Union Oil Co., Providence, R. I.
Valley Oil Mills, Memphis, Tenn.

2682. COTTON SPINNERS' CLOTHS.
Tingue, House & Co., 56 Reade St., New York. *28

2683. COTTON WADDING.	Huguley Manufacturing Co., West Point, Ga.
	Ray & Wilson, Medway, Mass.
	Speers Mfg. Co., Memphis, Tenn.
	Stearns & Foster Co., 14 W. Canal St., Cincinnati, O.
	Tyler Batting & Yarn Mills, Wyoming, R. I.
	Union Wadding Co., Pawtucket, R. I.
A. WOOL WADDING.	Chas. N. Bacon, 52 Federal St., Boston, Mass.
2684. CRUSHED STEEL.	Pittsburgh Crushed Steel Co., Ltd., Pittsburgh, Pa.
2685. CYLINDERS.	Addyston Pipe & Steel Co., 3d & Walnut Sts., Cincinnati, O.
	Eclipse Wind Engine Co., Beloit, Wis.
	New Doty Mfg. Co., Janesville, Wis.
	Sandwich Enterprise Co., Sandwich, Ill.
	United States Wind Engine & Pump Co., Batavia, Ill.
	Vulcan Iron Works, Wilkes Barre, Pa. *131
A. BRASS CYLINDERS.	Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
	U. S. Wind Engine & Pump Co., Batavia, Ill.
B. COPPER CYLINDERS.	Granger Foundry & Machine Co., Providence, R. I.
	Thos. Phillips & Co., Providence, R. I.
	Ribon & March, Jersey City, N. J.
C. IRON CYLINDERS.	Samuel Booth, 543 W. 35th St., New York.
	Bouton Foundry Co., 39th & Winter Sts., Chicago, Ill.
	Granger Foundry & Machine Co., Providence, R. I.
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
	U. S. Wind Engine & Pump Co., Batavia, Ill.
	Vulcan Iron Works, Wilkes Barre, Pa. *131
D. WELDED STEEL & IRON CYLINDERS.	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.
2686. DAIRY SUPPLIES.	Belknap Mfg. Co., Bridgeport, Conn.
	John Boyd, 199 Lake St., Chicago, Ill.
	D. H. Burrell & Co., Little Falls, N. Y.
	John S. Carter, Syracuse, N. Y.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Flint Cabinet Creamery Co., Flint, Mich.
	Grand Rapids Refrigerator Co., Grand Rapids, Mich.
	Chas. Millar & Sons, Utica, N. Y.
	Morton Mfg. Co., Romeo, Mich.
	Oakes & Burger, Cattaraugus, N. Y.
	A. H. Reid, S. 30th & Market Sts., Philadelphia, Pa.
	D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
	Chas. P. Willard & Co., Clybourn & Southport Avs., Chicago, Ill
A. BUTTER COLORS.	D. H. Burrell & Co., Little Falls, N. Y.
	Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Chr. Hansen's Laboratory, Little Falls, N. Y.
	J. S. Strickler & Co., Sterling, Ill.
	Wells & Richardson Co., Burlington, Vt.
B. CHEESE BANDAGE CLOTH.	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Chas. Millar & Sons, Utica, N. Y.
C. CHEESE COLOR.	D. H. Burrell & Co., Little Falls, N. Y.
	Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
	Davis & Rankin, 240 N. Lake St., Chicago, Ill.
	Chr. Hansen's Laboratory, Little Falls, N. Y.
D. CREAMERY CANS.	Buhl Stamping Co., Detroit, Mich.
	Childs & Jones, Utica, N. Y.
	A. C. Clarke & Co., Manchester, Iowa.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Horne & Danz Co., St. Paul, Minn.
	Iron Clad Mfg. Co., 22 Cliff St., New York.
	Sidney Shepard & Co., Buffalo, N. Y.
E. CREAMERY FIXTURES.	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	A. H. Reid, S. 30th & Market Sts., Philadelphia, Pa.
	Sidney Shepard & Co., Buffalo, N. Y.
F. DAIRY THERMOMETERS.	Hohman & Maurer, Plymouth & Jay Sts., Brooklyn, N. Y.
	Watertown Thermometer Co., Watertown, N. Y.
G. MILK BOTTLE FILLERS.	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Thatcher Mfg. Co., Potsdam, N. Y.
H. MILK DELIVERY APPLIANCES.	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Thatcher Mfg. Co., Potsdam, N. Y.
I. MILK PAILS.	Childs & Jones, Utica, N. Y.
	A. C. Clarke & Co., Manchester, Iowa.
	Cornish, Curtis & Greene, Fort Atkinson, Wis.
	Davis & Rankin, 240 W. Lake St., Chicago, Ill.
	Flint Cabinet Creamery Co., Flint, Mich.
	Chas. Millar & Sons, Utica, N. Y.

H. H. Palmer & Co., Rockford, Ill.
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.
Sidney Shepard & Co., Buffalo, N. Y.

J. MILK RESERVOIRS. Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Manning, Bowman & Co., Meriden, Conn.

K. MILK SAFES. Davis & Rankin, 240 W. Lake St., Chicago, Ill.
E. P. Dickey Fanning Mill Co., Racine, Wis.

L. MILKING TUBES. Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Geo. P. Pilling & Son, 115 S. 11th St., Philadelphia, Pa.

M. REFRIGERATOR TANKS. Samuel Booth, 543 W. 35th St., New York.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Frick Co., Waynesboro', Pa. *153
Marietta Hollow Ware & Enamel Co., Marietta, Pa.

N. SANITARY MILK MEASURES. Davis & Rankin, 240 W. Lake St., Chicago, Ill.
Thatcher Mfg. Co., Potsdam, N. Y.

O. STEEL MILK CANS. Iron Clad Mfg. Co., 22 Cliff St., New York.
J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.

2687. DEAD EYES. J. A. Dubuar Mfg. Co., Northville, Mich.

2688. DEAD LIGHT GLASS. J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.

2689. DECORATED TIN. Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.

2690. DIALS, INSTRUMENT. Waltham Dial Co., Waltham, Mass.

2691. DOWELS. M. J. Bogert, 290 Pearl St., New York.
Brownlee & Co., Detroit, Mich.
Coss Mfg. Co., Lima, O.
R. D. Grover, Andover, Me.
E. B. Estes & Sons, 254 Pearl St., New York.
Russell-Jennings Mfg. Co., Deep River, Conn.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.

2692. DRUGGISTS' BRACKETS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

2693. DYE WOOD EXTRACTS.
Harway Dye Wood & Ext. Mfg. Co., 184 Front St., New York.
W. G. Johnson, Uncasville, Conn.
John M. Sharpless & Co., 22 N. Front St., Philadelphia, Pa.

2694. ELECTRO-PLATERS' SUPPLIES.
Chaskel Chemical Co., 177 Pearl St., New York.
Chas. Cooper & Co., 194 Worth St., New York.
Henry D. Goldsmith, 146 Fulton St., New York.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

2695. ELECTROPOIN FLUID. Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.

2696. EMERY & SAND PAPERS.

A. CROCUS CLOTH. Standard Flint Paper Co., Arlington, N. J.

B. EMERY. Hampden Corundum Wheel Co., Brightwood, Mass. *240
Standard Flint Paper Co., Arlington, N. J.

C. EMERY CLOTH. Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
H. H. Barton, 222 Market St., Philadelphia, Pa.
Herman Behr & Co., 75 Beekman St., New York.
Northampton Emery Wheel Co., Leeds, Mass. *132
Standard Emery Wheel Co., Albany, N. Y.
Sterling Emery Wheel Co., Sterling, Mass.
George Upton, 239 Franklin St., Boston, Mass.
Walpole Emery Mills, S. Walpole, Mass.
Washington Mills Emery Mfg. Co., N. Grafton, Mass.

D. EMERY PAPER. Washington Mills Emery Mfg. Co., N. Grafton, Mass.

E. FLINT CLOTH. Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Herman Behr & Co., 75 Beekman St., New York.

F. FLINT PAPER. Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Herman Behr & Co., 75 Beekman St., New York.
Belt, Riefle & Co., Baltimore, Md.
D. Webster King Glue Co., 168 High St., Boston, Mass.
George Upton, 239 Franklin St., Boston, Mass.
Washington Mills Emery Mfg. Co., N. Grafton, Mass.

G. GARNET PAPER. Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
H. H. Barton, 222 Market St., Philadelphia, Pa.
Herman Behr & Co., 75 Beekman St., New York.
George Upton, 239 Franklin St., Boston, Mass.

H. SAND PAPER. H. H. Barton, 222 Market St., Philadelphia, Pa.
Herman Behr & Co., 75 Beekman St., New York.
O. W. Buzzell, Lynn, Mass.
D. Webster King Glue Co., 168 High St., Boston, Mass.
George Upton, 239 Franklin St., Boston, Mass.
F. B. Wiggins & Co., E. Saginaw, Mich.
Wiggin & Stevens, Dover, N. H.

2697. DEXTRINE. Diamond Paste Co., Albany, N. Y. *50

2698. ENGINE BUILDERS' BRASS GOODS.

Buckeye Iron & Brass Works, Dayton, O.

2699. ENGRAVERS' SUPPLIES.

A. ENGRAVERS' PLATES.
Carl Schraubstadter, Jr., 303 N. 3d St., St. Louis, Mo.
Francis Whitely, 81 Centre St., New York.

B. PLATE INKS.
H. D. Wade & Co., 28 Reade St., New York.

C. PLATE OIL.
Chas. Eneu Johnson & Co., 509 S. 10th St., Philadelphia, Pa.
H. D. Wade & Co., 28 Reade St., New York.

2700. EXTRACTS.

A. BOTTLERS' EXTRACTS.
Chaskel Chemical Co , 177 Pearl St., New York.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.

B. FLAVORING EXTRACTS.
Maurice Baker & Co., Portland, Me.
Bastine & Co., 41 Warren St., New York.
Jos. Burnett & Co., 127 Central St., Boston, Mass.
Chaskel Chemical Co., 177 Pearl St., New York.
Colgate & Co., 53 John St., New York.
J. W. Colton, Westfield, Mass.
Crandall & Godley, 157 Franklin St., New York.
J. P. Dieter, Chillicothe, O.
E. R. Durkee & Co., 135 Water St., New York.
L. A. Eberhardt, 227 Pearl St., New York.
Hamell & Cortright, 25 S. Front St., Philadelphia, Pa.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
Geo. Leis, Lawrence, Kan.
McKesson & Robbins, 91 Fulton St., New York.
J. H. Mergentime & Co., 158 Chambers St., New York.
Meyer-Bain Mfg. Co., 319 N. Main St., St. Louis, Mo.
Solon Palmer, 374 Pearl St., New York.
W. H. Rudkin, 74 William St., New York.
W. H. Schieffelin & Co., 170 William St., New York.
Fredk. Stearns & Co., Detroit, Mich.

C. FUSTIC EXTRACT.
J. M. Sharpless & Co., 20 N. Front St., New York.

D. INK EXTRACTS.
N. P. Fletcher & Co., Hartford, Conn.
Lyon Mfg. Co., 59th St. & 5th Av., New York.

E. LOGWOOD EXTRACT.
J. M. Sharpless & Co., 20 N. Front St., Philadelphia, Pa.

F. TOBACCO FLAVORING EXTRACTS.
Campbell & Co., Petersburgh, Va.
Chaskel Chemical Co., 177 Pearl St., New York.

2701. EYELETS.

American Ring Co., Waterbury, Conn.
Armstrong Mfg. Co.. Bridgeport, Conn. *154
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Eagle Eyelet Co., Hartford, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Union Eyelet Co , Providence, R. I.
Waterbury Brass Co., Waterbury, Conn.

A. CORSET EYELETS.
Eagle Eyelet Co., Hartford, Conn.

B. EYELET LACING HOOKS.
Halkyard Mfg. Co., Providence, R. I.
Union Eyelet Co., Providence, R. I.

C. SHOE EYELETS.
Eagle Eyelet Co , Hartford, Conn.
E. B. Stimpson & Son, 31 Spruce St., New York. *222

D. TAG EYELETS.
Eagle Eyelet Co., Hartford, Conn.

2702. FABRIC PRINTERS' ENGRAVINGS.

John Hope, Providence, R. I.

2703. FANCY BOX TRIMMINGS, METAL.

Novelty Mfg. Co., Waterbury, Conn.

2704. FELT.

Chas. N. Bacon, 52 Federal St., Boston, Mass.
Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Chalmers-Spence Co., 419 8th St., New York.
City Mills, City Mills, Mass.
Alfred Dolge, Dolgeville, N. Y.
Druid Felt Co. of Baltimore City, Baltimore, Md.
Lounsbury & Bissell Co., Winnipauk, Conn
W. S. Taylor & Bloodgood, Jr., Cranford, N. J.
Tingue, House & Co., 56 Reade St., New York. *28
Jas. Thompson & Co., Valley Falls, N. Y.
Union Mfg. Co., Norwalk, Conn.
H. F. Watson Co., Erie, Pa.

A. ASBESTOS FELT.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
Chalmers-Spence Co., 419 8th St., New York.
M. Ehret, Jr. & Co., 423 Walnut St., Philadelphia, Pa.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
H. F. Watson Co., Erie, Pa.

B. COTTON FELT.
City Mills, City Mills, Mass.
Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.

C. ELASTIC FELT.
City Mills, City Mills, Mass.
H. D. Ostermoor & Son, 141 King St., Brooklyn, N. Y.

Sperry & Beale, 460 Hicks St., Brooklyn, N. Y.
Tingue, House & Co., 56 Reade St., New York. *28

D. HAIR FELT.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Chalmers-Spence Co., 419 8th St., New York.
De Long & French, Allegheny, Pa.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Lowell Felting Mills, Lowell, Mass.
Russian Hair Felt Co., 62 Walker St., New York.
Tingue, House & Co., 56 Reade St., New York. *28

E. HAT FELT.
City Mills, City Mills, Mass.
Tingue, House & Co., 56 Reade St., New York. *28

F. LINING FELT.
City Mills, City Mills, Mass.
Tingue, House & Co., 56 Reade St., New York. *28

G. PAPER MAKERS' FELT.
Akron Woolen & Felt Co., Akron, O.
Appleton Woolen Mills, Appleton, Wis.
Chas. N. Bacon, 52 Federal St., Boston, Mass.
Fitchburg Duck Mills, Fitchburg, Mass.
F. Gray & Co., Piqua, O.
L. R. Heathcote, Glen Rock, Pa.
Huyck & Argersinger, Albany, N. Y.
Shuler & Benninghofen, Hamilton, O.
Tingue. House & Co., 56 Reade St., New York. *28

H. PIANO & ORGAN FELT.
City Mills, City Mills, Mass.
Alfred Dolge, Dolgeville, N. Y.
Richard Ranft, 213 E. 19th St., New York.
W. S. Taylor & Bloodgood, Jr., Cranford, N. J.
Tingue, House & Co., 56 Reade St., New York. *28

I. POLISHING FELT.
Chas. N. Bacon, 52 Federal St., Boston, Mass.
City Mills, City Mills, Mass.
Alfred Dolge, Dolgeville, N. Y.
Northampton Emery Wheel Co., Leeds, Mass. *132
Standard Emery Wheel Co., Albany, N. Y.
W. S. Taylor & Bloodgood, Jr., Cranford, N. J.
Tinge, House & Co., 56 Reade St., New York. *28
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

J. SADDLERY FELT.
City Mills, City Mills, Mass.
Tingue, House & Co., 56 Reade St., New York. *28

K. SHOE FELT.
A. B. Crocker & Co., 85 Essex St., Boston, Mass.
Tingue, House & Co., 56 Reade St., New York. *28

L. UPHOLSTERY FELT.
City Mills, City Mills, Mass.
Tingue, House & Co., 56 Reade St., New York. *28

M. WOOD RUBBING FELT.
Chas. N. Bacon, 52 Federal St., Boston, Mass.

N. WOOL FELT.
Fitchburg Duck Mills, Fitchburg, Mass.
Tingue, House & Co., 56 Reade St., New York. *28

2705. FILTER MATERIAL.
Modoc Tripoli Mining Co., 74 Johnston Bldg., Cincinnati, O.
Samuel Snell, Holyoke, Mass.

2706. FIRE CLAY TILINGS.
Denver Fire Clay Co., Denver, Col.
Dunbar Fire Brick Co., Dunbar, Pa.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal.
Vulcan Clay Co., Wellsville, O.

A. BOILER TILES.
Montague & Co., Chattanooga, Tenn.

B. GAS HOUSE TILES.
J. H. Gautier & Co., Jersey City, N. J.

C. LOCOMOTIVE TILES.
Denver Fire Clay Co., Denver, Col.

2707. FLAX SCREENS.
Robt. Aitchison Perforated Metal Co., 76 Van Buren St., Chicago, Ill.

2708. FLAXSEED, GROUND.
Cedar Rapids Linseed Oil Co., Cedar Rapids, Iowa.
Sioux City Linseed Oil Works, Sioux City, Iowa.
Woodman Linseed Oil Works, Omaha, Neb.

2709. FLOCKS.
James Bowers' Sons, Chester, Pa.
Connor Bros., Holyoke, Mass.
T. H. Gray & Co., 154 Federal St., Boston, Mass.
Johnson Extract Wool Co., Paterson, N. J.
S. Rawitser & Co., Nyack, N. Y.
Jas. J. Regan, Rockville, Conn.
Smith & Cooley, Stafford Springs, Conn.
Somersville Mfg. Co., Somersville, Conn.

2710. FLORISTS' SUPPLIES.
E. Kaufmann, 113 N. 4th St., Philadelphia, Pa.

A. FLORISTS' DESIGNS.
Edward Jansen, 124 W. 19th St., New York.

2711. FLOUR MILL SUPPLIES.

A. ELEVATOR SUPPLIES.
Crane Elevator Co., 219 S. Jefferson St., Chicago, Ill.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.
Thornburgh & Glessner, 110 S. Jefferson St , Chicago, Ill.

B. FLOUR MILL ROLLS.
Farrell Foundry & Machine Co., Ansonia, Conn.
Lobdell Car Wheel Co., Wilmington, Del.
Nordyke & Marmon Co., 1007 Morris St., Indianapolis, Ind. *208

	Richmond City Mill Works, Richmond, Ind.	
C. OAT MEAL SIFTER PLATES.	Robt. Aitchison Perforated Metal Co., 76 Van Buren St., Chicago, Ill.	
2712. FLOUR PASTE.	Cincinnati Glue & Paste Co., 20 Home St., Cincinnati, O.	
	Diamond Paste Co., Albany, N. Y.	*50
	Highland Chemical Co., 47 Cedar St., New York.	
A. BOOKBINDERS' PASTE.	Diamond Paste Co., Albany, N. Y.	*50
B. DRY PASTE.	Diamond Paste Co., Albany, N. Y.	*50
C. SHOEMAKERS' PASTE.	Diamond Paste Co., Albany, N. Y.	*50
D. TRUNKMAKERS' PASTE.	Diamond Paste Co., Albany, N. Y.	*50
2713. FLUOR SPA.	S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O.	*54
2714. FORGINGS.		
A. BICYCLE FORGINGS.	Wyman & Gordon, Worcester, Mass.	
B. BRASS FORGINGS.	Belden Machine Co., New Haven, Conn.	
C. DROP FORGINGS, COPPER.	Belden Machine Co., New Haven, Conn.	
	Billings & Spencer Co., Hartford, Conn.	*103
	Speirs & Moore, Worcester, Mass.	
	J. H. Williams & Co., 9 Richard St., Brooklyn, N. Y.	
	Wyman & Gordon, Worcester, Mass.	
D. DROP FORGINGS, IRON.	Belden Machine Co., New Haven, Conn.	
	Billings & Spencer Co., Hartford, Conn.	*103
	R. H. Brown & Co., New Haven, Conn.	
	R. & N. Eccles, Auburn, N. Y.	
	Hartford Hammer Co., Hartford, Conn.	
	Merrill Bros., 465 Kent Av., Brooklyn, N. Y.	
	Miner & Peck Mfg. Co., New Haven, Conn.	
	Scranton Forging Co., Scranton, Pa.	
	Stiles & Parker Press Co., Middletown, Conn.	
	Strieby & Foote, Newark, N. J.	
	J. H. Williams & Co., 9 Richard St., Brooklyn, N. Y.	
	Wyman & Gordon, Worcester, Mass.	
E. DROP FORGINGS, STEEL.	Billings & Spencer Co., Hartford, Conn.	*103
	Miner & Peck Mfg. Co., New Haven, Conn.	
	Speirs & Moore, Worcester, Mass.	
	Strieby & Foote, Newark, N. J.	
	J. H. Williams & Co., 9 Richards St., Brooklyn, N. Y.	
	Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.	*71
	Wyman & Gordon, Worcester, Mass.	
F. GUN FORGINGS.	Belden Machine Co., New Haven, Conn.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
G. HEAVY FORGINGS.	Central Iron & Steel Co., Brazil, Ind.	
	Cleveland Forge & Iron Co., Cleveland, O.	
	New Albany Forge & Rolling Mills, New Albany, Ind.	
	Paterson Iron Co., Paterson, N. J.	
	Paxton & Vierling Iron Works, Omaha, Neb.	
	N. W. Talcott Axle Works, Springfield, Mass.	
	Taunton Locomotive Mfg. Co., Taunton, Mass.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
H. ROLLED FORGED SPECIALTIES.	Bethlehem Iron Co., Bethlehem, Pa.	
	Simonds Rolling Machine Co., Fitchburg, Mass.	
I. SPECIAL FORGINGS.	Belden Machine Co., New Haven, Conn.	
	Billings & Spencer Co., Hartford, Conn.	*103
	Carnegie, Phipps & Co., Ltd., Pittsburgh, Pa.	
	Scranton Forging Co., Scranton, Pa.	
	Speirs & Moore, Worcester, Mass.	
	J. H. Sternbergh & Son, Reading, Pa.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	J. H. Williams & Co., 9 Richards St., Brooklyn, N. Y.	
	Wyman & Gordon, Worcester, Mass.	
J. STEEL FORGINGS.	Ajax Forge Co., Howe cor. Blue Island Av., Chicago, Ill.	
	Anderson, Dupuy & Co., Pittsburgh, Pa.	
	Benjamin Atha & Co., Newark, N. J.	
	Belden Machine Co., New Haven, Conn.	
	Bridgeport Forge Co., Bridgeport, Conn.	
	Cambria Iron Co., Johnstown, Pa.	
	Central Iron & Steel Co., Brazil, Ind.	
	Cleveland City Forge & Iron Co., Cleveland, O.	
	Continental Iron Works, Calyer & West Sts., Brooklyn, N. Y.	
	Dickson Mfg. Co., Scranton, Pa.	
	Frick Co., Waynesboro', Pa.	*153
	Linden Steel Co., Ltd., Pittsburgh, Pa.	
	McKee, Fuller & Co., Catasauqua, Pa.	
	Midvale Steel Co., Nicetown, Philadelphia, Pa.	
	Paterson Iron Co., Paterson, N. J.	
	Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.	
	Speirs & Moore, Worcester, Mass.	

Sterling Steel Co., Ltd., Pittsburgh, Pa.
G. L. Stuebner & Co., Long Island City, N. Y
Troy Steel & Iron Co., Troy, N. Y.
J. H. Williams & Co., 9 Richard St., Brooklyn, N. Y.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71
Wyman & Gordon, Worcester, Mass.

K. WROUGHT IRON FORGINGS.
Ajax Forge Co., Howe cor. Blue Island Av., Chicago, Ill.
American Bolt Co., Lowell, Mass.
Belden Machine Co., New Haven, Conn.
Bridgeport Forge Co., Bridgeport, Conn.
Central Iron & Steel Co., Brazil, Ind.
Cleveland City Forge & Iron Co., Cleveland, O.
Dickson Mfg. Co., Scranton, Pa.
Frick Co., Waynesboro', Pa. *153
R. F. Hawkins, Springfield, Mass.
Jackson & Woodin Mfg. Co., Berwick, Pa.
Lebanon Mfg. Co., Lebanon, Pa.
McKee, Fuller & Co., Catasauqua, Pa.
Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
Reading Iron Co., Reading, Pa.
Speirs & Moore, Worcester, Mass.
J. H. Sternbergh & Son, Reading, Pa.
G. L. Stuebner & Co., Long Island City, N. Y.
Taunton Locomotive Mfg. Co., Taunton, Mass.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wyman & Gordon, Worcester, Mass.

2715. FOUNDRY SUPPLIES.
J. A. Emerick & Co., 1056 Beach St., Philadelphia, Pa.
Ilsley, Doubleday & Co., 229 Front St., New York.
McIlvaine Bros., N. 15th & Hamilton Sts., Philadelphia, Pa.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Del. Av. & Laurel St., Philadelphia, Pa.
L. M. Rumsey Mfg. Co., 806 N. 2d St., St. Louis, Mo.

A. CHAPLETS.
Chicago Foundry Supply Co., Redfield & Stein Sts., Chicago, Ill.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.

B. CORE COMPOUND.
Victor Colliau, Detroit, Mich.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. D. Smith & Co., 827 Freeman Av., Cincinnati, O.

C. CORE WASH.
Jos. Dixon Crucible Co., Jersey City, N. J.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila, Pa.
J. D. Smith & Co., 827 Freeman Av., Cincinnati, O.

D. DRAW HOOKS.
Chicago Foundry Supply Co., Redfield & Stein Sts., Chicago, Ill.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. D. Smith & Co., 827 Freeman Av., Cincinnati, O.

E. DUSTING BAGS.
Victor Colliau, Detroit, Mich.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.

F. FIRE SAND.
Chicago Foundry Supply Co., Redfield & Stein Sts., Chicago, Ill.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. D. Smith & Co., 827 Freeman Av., Cincinnati, O.

G. FLASK LAMPS.
Chicago Foundry Supply Co., Redfield & Stein Sts., Chicago, Ill.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.

H. FLASK MATCHES.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.
J. D. Smith & Co., 827 Freeman Av., Cincinnati, O.

I. FOUNDRY BUCKETS.
Chicago Foundry Supply Co., Redfield & Stein Sts., Chicago, Ill.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.
J. D. Smith & Co., 827 Freeman Av., Cincinnati, O.

J. FOUNDRY CEMENT.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin. O. *54
Rutland Fire Clay Co., Rutland, Vt.
Chas. & Wm. Whitehead, 517 W. 15th St., New York.

K. FOUNDRY CLAY.
Rutland Fire Clay Co., Rutland, Vt.
Chas. & Wm. Whitehead, 517 W. 15th St., New York.

L. FOUNDRY FACINGS.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. A. Emerich & Co., 1056 Beach St., Philadelphia, Pa.
Ilsley, Doubleday & Co., 229 Front St., New York.
Moore's Facing Works, Providence, R. I.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.
Whitehead Bros., 517 W. 15th St., New York.

M. FOUNDRY FLOUR.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54

N. FOUNDRY LADLES.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Jackson Mfg. Co., Harrisburg, Pa.

	Mackintosh, Hemphill & Co., Ltd., Pittsburgh, Pa.
	S. Obermayer Fdry. Sup. Mfg.Co.,Evans,S.of 8th St.,Cin.,O. *54
	Scannell & Wholey, Lowell, Mass.
	Sinclair-Scott Mfg. Co., Baltimore, Md. *116
	Vulcan Iron Works, Wilkes Barre, Pa. *131
	Walker Mfg. Co., Cleveland, O.
	Wilfong Bros., 226 N. 23d St., Philadelphia, Pa.
O. FOUNDRY MOLASSES.	S. Obermayer Fdry. Sup. Mfg.Co.,Evans,S.of 8th St.,Cin.O., *54
P. IRON FILLER.	S. Obermayer Fdry. Sup. Mfg.Co.,Evans,S.of 8th St.,Cin.,O. *54
Q. MOULDING SAND.	S. Obermayer Fdry. Sup. Mfg.Co.,Evans,S of 8th St.,Cin.,O. *54
	J. W. Paxson & Co., N. Delaware Av. & Laurel St., Phila., Pa.
	Chas. & Wm. Whitehead, 517 W. 15th St., New York.
R. SILVER LEAD (INDIA.)	S. Obermayer Fdry. Sup. Mfg.Co.,Evans,S.of 8th St.,Cin.,O. *54
S. SWABS.	S. Obermayer Fdry. Sup. Mfg.Co.,Evans,S.of 8th St.,Cin.,O. -54
2716. FRUIT JAR TOPS.	Clark Fruit Jar Co., Painesville, O.
	Hero Fruit Jar Co., Gaul & Adams Sts., Philadelphia, Pa.
	Mason Fruit Jar Co., Frankford nr. Melrose St., Phila., Pa.
	Ohio Lantern Co., Tiffin, O. *28
	Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.
2717. FRUIT JUICES.	I. Calvin Shafer Co., Ltd., 86 Cortlandt St., New York.
	Chaskel Chem. Co., 177 Pearl St., New York.
	Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
	Firm of John Matthews, 1st Av. & 27th St., New York.
	McIntyre & Embury, 99 N. Moore St., New York.
	McKesson & Robbins, 91 Fulton St., New York.
	W. H. Rudkin, 74 William St., New York.
	W. H. Schieffelin & Co., 170 William St., New York.
	Frederick Stearns & Co., Detroit, Mich.
A. PRUNE JUICE.	Barrett & Co., 43 Front St., New York.
	Nicholas Rath & Co., 30 S. William St., New York.
	Wm. H. Rudkin, 74 William St., New York.
2718. FURNITURE PARTS & SUPPLIES.	
A. CHAIR CANE.	Conant & Bush, Gardner, Mass.
	Heywood Bros. & Co., 195 Canal St., New York.
	New Haven Rattan Co., New Haven, Conn.
	Union Rattan Mfg. Co., 372 Pearl St., New York.
B. CHAIR ROUNDS.	Geo. Stockwell, Croydon, N. H.
C. CHAIR SEATS, LEATHER BOARD.	Harwood Mfg. Co., 91 Summer St., Boston, Mass.
D. CHAIR STOCK.	Aniwa Mfg. Co., Aniwa, Wis.
	Frank D. Chase, Somerset, Vt.
	A. L. Cooley, Charlemont, Mass.
	E. B. Estes & Sons, 254 Pearl St., New York.
	E. Fitts, Kill Buck, N. Y.
	Parker & Young Mfg. Co., Lisbon, N. H.
	W. C. Stiles, Warren, O.
E. CHAIR TIPS.	Elastic Tip Co., Cornhill & Washington Sts., Boston, Mass.
	Tyer Rubber Co., Andover, Mass.
F. CHAIR & TABLE FEET, METAL.	Foster, Merriam & Co., Meriden, Conn.
	Henry C. Hart Mfg. Co., Detroit, Mich.
G. CHAIR & TABLE LEGS.	Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
	N. E. Artistic Carving Co., 621 Albany St., Boston, Mass.
	W. C. Stiles, Warren, O.
H. CORNER BLOCKS.	Albert Komp, 56 Lewis St., New York.
I. FURNITURE FENDERS.	Elastic Tip Co., Cornhill & Washington Sts., Boston, Mass.
J. FURNITURE FRAMES.	F. Albrecht & Bro., 57 W. Pearson St., Chicago, Ill.
	Hermann Barth & Co., 62 Oak St., Chicago, Ill.
	Buffalo Upholstering Co., Buffalo, N. Y.
	Excelsior Furniture Co., Rockford, Ill.
	C. H. Haberkorn & Co., Detroit, Mich.
	Hale & Co., 304 Pearl St., New York.
	August Hausske, 100 Weed St., Chicago, Ill.
	Hofstatter's Sons, 111 E. 13th St., New York.
	Johnston & Swartz, Allentown, Pa.
	Lord, Latimer & Yates., Utica, N. Y.
	Marble & Shattuck Chair Co., Bedford, O.
	Milwaukee Parlor Frame Co., Milwaukee, Wis.
	Northwestern Parlor Suit Mfg.Co.,687 Clyburne Av., Chicago,Ill.
	Chas. Oldenburg Furniture Co., Milwaukee, Wis.
	Sterling Furniture Co., San Francisco, Cal.
	Geo. Vehr Parlor Frame Co., 659 W. 7th St.. Cincinnati, O.
	A. Wiemann & Co., 441 Plum St., Cincinnati, O.
K. FURNITURE FRAMES, BRASS.	H. L. Judd & Co., 87 Chambers St., New York.
	W. T. Mersereau & Co., Newark, N. J.
L. FURNITURE MOULDINGS.	F. Voelckel & Co., 124 Harrison Av., Cincinnati, O.

M. FURNITURE ORNAMENTS, WOOD.
Novelty Wood Works, Union City, Pa.
South Bend Pump Co., South Bend, Ind.
Taft Mfg. Co., Hartford, Conn.

N. FURNITURE TOPS, MARBLE.
C. W. Billings, Troy, N. Y.
Burlington Mfg. Co., Burlington, Vt.
Davidson & Sons, foot N. Market St., Chicago, Ill.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Jas. McDonough, 2d & Park Sts., Cincinnati, O.
Sherman & Flavin, 2511 State St., Chicago, Ill.
Wm. C. Townsend, Zanesville, O.

O. FURNITURE TRIMMINGS.
Salomon & Phillips, 33 Spruce St., New York.
Waddell Mfg. Co., Grand Rapids, Mich.
Wayne Hardware Co., 140 Main St., Cincinnati, O.

P. HAIR SEATINGS.
McKay Curtain Co., Wilmington, Del.
Pawtucket Hair Cloth Co., Pawtucket, R. I.

Q. RATTAN SEATINGS.
Hale & Kilburn Mfg. Co., 48 N. 6th St., Philadelphia, Pa.

R. SCREEN FRAMES.
E. C. Stearns & Co., Syracuse, N. Y.

S. TABLE SLIDES.
C. F. Snyder, Dayton, O.
Wilson & Robotham, Syracuse, N. Y.

T. VENEER SEATINGS.
Forsythe & Co., 129 Degraw St., Brooklyn, N. Y.
Frost Veneer Seating Co., Sheboygan, Wis.
Joel H. Woodman & Co., Hoboken, N. J.

U. WIRE MATTRESS FRAMES.
Carpenter & Dyett, Rome, N. Y.
E. B. Estes & Sons, 254 Pearl St., New York.

2719. GAS HOUSE SUPPLIES.
Brines, Chase & Co., N. 12th & Noble Sts., Philadelphia, Pa.
Edgewater Lime Works, Edgewater, N. J.

2720. GASKETS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
H. O. Canfield, Bridgeport, Conn.
Common Sense Met. Pkg. Co., 202 W. Houston St., New York.
H. J. Delaney & Co., Milwaukee, Wis.
Jenkins Bros., 71 John St., New York.

A. ASBESTOS GASKETS.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
U. S. Mineral Wool Co., 80 Cortlandt St., New York.

B. RUBBER GASKETS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Erie Rubber Co., Erie, Pa.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
New York Rubber Co., 84 Reade St., New York.
Trenton Rubber Co., Trenton, N. J.

C. LEAD GASKETS.
Chadwick Lead Works, 176 High St., Boston, Mass.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.

2721. GELATINE.
Wm. H. Brown, Peabody, Mass.
Peter Cooper Glue Factory, 17 Burling Slip, New York.
Merchants Oil Co., Cleveland, O. *73
Michigan Carbon Works, Detroit, Mich.
Geo. Upton, 239 Franklin St., Boston, Mass.

2722. GLASS POTS.
Ohio Valley Clay Co., Steubenville, O.
E. Walters & Co., 69 Laurel St., Philadelphia, Pa.

2723. GLUCOSE.
American Glucose Co., Buffalo, N. Y.
Chas. Pope Glucose Co., Geneva, Ill.

2724. GLUE.
Armour Glue Works, 205 La Salle St., Chicago, Ill.
Austin & Eddy, 117 Broad St., Boston, Mass.
Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
Herman Behr & Co., 75 Beekman St., New York.
Bird Glue Co., 3d & Main Sts., Cincinnati, O.
Wm. H. Brown, Peabody, Mass.
Buffalo Glue Works, Buffalo, N. Y.
Peter Cooper Glue Factory, 17 Burling Slip, New York.
D. F. Deike & Son, 602 W. 53d St., New York.
Delany & Co., 3200 N. 2d St., Philadelphia, Pa.
R. Evans & Son, Buffalo, N. Y.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Grand Rapids Glue Co., Grand Rapids, Mich.
Keene Glue Co., Keene, N. H.
D. Webster King Glue Co., 166 High St., Boston, Mass.
Lister's Agricultural Chemical Works, Newark, N. J.

P. B. Mathiason & Co., 5310 N. 2d St., St. Louis, Mo.
Michigan Carbon Works, Detroit, Mich.
New England Glue Co., Guilford, Conn.
Stephens & Bro., Marshall Av., Cincinnati, O.
D. F. Tiemann & Co., 44 W. Broadway, New York.
George Upton, 239 Franklin St., Boston, Mass.
Wahl Bros., 238 Randolph St., Chicago, Ill.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

A. CARRIAGE GLUE.
Armour Glue Works, 205 La Salle St., Chicago, Ill.
Le Page Co., 50 Central St., Boston, Mass.

B. COLORED ELASTIC GLUE.
Armour Glue Works, 205 La Salle St., Chicago, Ill.
Golding & Co., 177 Fort Hill Square, Boston, Mass.

C. FAMILY GLUE.
Armour Glue Works, 205 La Salle St., Chicago, Ill.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Le Page Co., 50 Central St., Boston, Mass.

D. FISH GLUE.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Le Page Co., 50 Central St., Boston, Mass.
New Process Glue Co., Gloucester, Mass.
Geo. Upton, 239 Franklin St., Boston, Mass.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

E. GLUE STOCK.
L. B. Darling Fertilizer Co., Pawtucket, R. I.
Swift & Co., Union Stock Yards, Chicago, Ill.

F. LIQUID GLUE.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Joshua S. Chase & Co., 102 Central St., Boston, Mass.
Cincinnati Glue & Paste Co., 20 Home St., Cincinnati, O.
William A. Davis, 11 Eliot St., Boston, Mass.
D. Webster King Glue Co., 168 High St., Boston, Mass.
Le Page Co., 50 Central St., Boston, Mass.
A. Major, 232 William St., New York.
John U. O'Meara, Washington, D. C.
Russia Cement Co., Gloucester, Mass.
Tenexine Co., 52 Purchase St., Boston, Mass.
George Upton, 239 Franklin St., Boston, Mass.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

2725. GRAPE SUGAR.
American Glucose Co., Buffalo, N. Y.

2726. GRAPHITE.
Jos. Dixon Crucible Co., Jersey City, N. J.
Ilsley, Doubleday & Co., 229 Front St., New York.
S. Obermayer Fdry. Sup. Mfg.Co.,Evans, S. of 8th St.,Cin.,O.*54

2727. GROMMETS, BRASS.
Metal Stamping Co., 406 E. 32d St., New York.

2728. GROUND FELSPAR.
Golding & Sons Co., Trenton, N. J.

2729. GROUND FLINT.
Standard Flint Paper Co., Arlington, N. J.

2730. GROUND FUSTIC.
Wm. B. Rider, Providence, R. I.

2731. GROUND SILEX.
Pettit Chemical Co., 256 Front St., New York.

2732. GUN COTTON.
Chas. Cooper & Co., 194 Worth St., New York.
Dundee Chemical Works, 17 Cedar St., New York.
Fairfield Chemical Works, 71 Wall St., New York.

2733. HANDLES.

A. BONE HANDLES.
A. F. Bannister & Co., Newark, N. J.
Rogers & Hubbard Co., Middletown, Conn.

B. BROOM HANDLES.
Alba Handle Co., Alba, Mich.
Arlington Mfg. Co., 392 Broadway, New York.
Findlay Stave & Handle Co., Findlay, O.
R. M. Goodwin & Co., Antigo, Wis.
Kerr Bros. & Co., Hicksville, O.
Piqua Handle & Mfg. Co., Piqua, O. *212
L. B. Wood & Co., Grand Valley, Pa.

C. BRUSH HANDLES.
Holgate Bros. Co., Kane, Pa.
Kerr Bros. & Co., Hicksville, O.
A. S. Whitcomb, Keene, N. H.

D. BRUSH POLES.
Coss Mfg. Co., Lima, O.
Kerr Bros. & Co., Hicksville, O.

E. CARPET SWEEPER HANDLES.
Burlington Shade Roller Co., Burlington, Vt.
Piqua Handle & Mfg. Co., Piqua, O. *212

F. CUTLERY HANDLES.
Arlington Mfg. Co., 392 Broadway, New York.
E. B. Estes & Son, 254 Pearl St., New York.
Rogers & Hubbard Co., Middletown, Conn.
Salisbury Cutlery Handle Co., Salisbury, Conn.

G. FEATHER DUSTER HANDLES.
Thos. W. Houchin, 67 Park Place, New York.
Piqua Handle & Mfg. Co., Piqua, O. *212

H. HORN HANDLES.
J. F. Goodhue, Leominster, Mass.

I. IVORY HANDLES.
A. F. Bannister & Co., Newark, N. J.

J. KNIFE HANDLES.
L. Coes & Co., Worcester, Mass.
E. B. Estes & Sons, 254 Pearl St., New York.
Union Hardware Co., Torrington, Conn.

K. MOP HANDLES.
Burlington Shade Roller Co., Burlington, Vt.
A. M. Cooley, 243 N. Wells St., Chicago, Ill.

Peabody & Parks, Lansingburgh, N. Y.
Piqua Handle & Mfg. Co., Piqua, O. *212
Union Mfg. Co., Toledo, O.
Union Hardware Co., Torrington, Conn.

L. PEARL HANDLES. A. F. Bannister & Co., Newark, N. J.

M. TIN HANDLES. Chicago Stamping Co., 10 Lake St., Chicago, Ill.

N. TORCH HANDLE. Burlington Shade Roller Co., Burlington, Vt.
Piqua Handle & Mfg. Co., Piqua, O. *212

2734. HAT SUPPLIES.

A. HAT BANDS. Theodore Tietz, Marlborough Mills, Conn.

B. HAT CORDS. Hoffman & Ellrodt, 91 Mercer St., New York.
Silver Lake Co., Newtonville, Mass.
John Henry Vogt, 270 Bowery, New. York.

C. HAT SWEATS. T. W. Bracher, 169 Greene St., New York.
J. B. Mast Co., 111 Mercer St., New York.
M. A. Riordan Co., Newark, N. J.
Geo. A. Shepard & Son, Bethel, Conn.

D. HAT WIRES. Wm. B. Curtis & Co., Danbury, Conn.
New Haven Wire Mfg. Co., New Haven, Conn.
Geo. A. Shepard & Son, Bethel, Conn.
R. H. Wolff & Co., 560 E. 118th St., New York.

2735. HIDE POISON.

Geo. A. Erkenbrach, 34 Platt St., New York.

2736. HOPS.

J. C. Bauer & Co., San Francisco, Cal.
Geo. Clark, Otsego, N. Y.
John C. Cross, Oriskany Falls, N. Y.
E. E. Dickinson & Co., Essex, Conn.
Hauser & Sons Malting Co., St. Paul, Minn.
Lawrence & Schwarz, Oneida, N. Y.
A. J. Luce, 30 Whitehall St., New York.
Mebius & Drescher, Sacramento, Cal.
J. H. Tator, Cobleshill, N. Y.
E. C. Terry, Waterville, N. Y.
S. & F. Uhlmann, 69 Broad St., New York.

2737. HOSE.

A. ACID HOSE. Boston Belting Co., 256 Devonshire St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.

B. AIR HOSE. Rand Drill Co., 23 Park Place, New York. *218

C. ANTISEPTIC CABLE HOSE. New York Belting & Packing Co., 15 Park Row, New York.

D. BREWERS' HOSE. Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Mercer Rubber Co., Trenton, N. J.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Rubber Co., 15 Park Row, New York.
Trenton Rubber Co., Trenton, N. J.

E. CHEMICAL HOSE. Cleveland Rubber Co., Cleveland, O.

F. COTTON HOSE. American Supply Co., Providence, R. I. *173
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Cleveland Rubber Co., Cleveland, O.
Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
Empire Mfg. Co., Lockport, N. Y.
Eureka Fire Hose Co., 13 Barclay St., New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
Revere Rubber Co., 63 Franklin St., Boston, Mass.

G. COTTON HOSE, RUBBER LINED. Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Cleveland Rubber Co., Cleveland, O.
Eureka Fire Hose Co., 13 Barclay St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
North Western Rubber Co., 141 Lake St., Chicago, Ill.

H. DIVERS' HOSE. New Jersey Car Spring & Rubber Co., Jersey City, N. J.
Schrader & Son, 32 Rose St., New York.

I. FIRE HOSE. Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
Eureka Fire Hose Co., 13 Barclay St., New York.
Fabric Fire Hose Co., 13 Park Row, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

	Mercer Rubber Co., Trenton, N. J.
	Neville & Co., 31 California St., San Francisco, Cal.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
	New York Belting & Packing Co., 15 Park Row, New York.
	Russell Mfg. Co., Middletown, Conn.
J. GARDEN HOSE.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Boston Woven Hose Co., Cambridgeport, Mass.
	Cleveland Rubber Co., Cleveland, O.
	Eureka Fire Hose Co., 13 Barclay St., New York.
	New York Belting & Packing Co., 15 Park Row, New York.
K. GAS HOSE.	Boston Woven Hose Co., Cambridgeport, Mass.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
L. HYDRAULIC HOSE.	American Multiple Fabric Co., Olneville, R. I.
	Boston Woven Hose Co., Cambridgeport, Mass.
M. LEATHER HOSE.	Bickford & Francis Belting Co., Buffalo, N. Y.
	R. Hoffeld & Co., Buffalo, N. Y.
N. LINEN HOSE.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Boston Woven Hose Co., Cambridgeport, Mass.
	Eureka Fire Hose Co., 13 Barclay St., New York.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
	New York Belting & Packing Co., 15 Park Row, New York.
	Ross, Turner & Co., 31 Otis St., Boston, Mass.
	Russell Mfg. Co., Middletown, Conn.
O. LINEN HOSE, RUBBER LINED.	Boston Woven Hose Co., Cambridgeport, Mass.
	Eureka Fire Hose Co., 13 Barclay St., New York.
	Mineralized Rubber Co., 18 Cliff St., New York.
P. LOCOMOTIVE HOSE.	Cleveland Rubber Co., Cleveland, O.
	Mercer Rubber Co., Trenton, N. J.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
Q. OIL HOSE.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
	Cleveland Rubber Co., Cleveland, O.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
R. RUBBER HOSE.	Akron Rubber Works, Akron, O.
	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Boston Woven Hose Co., Cambridgeport, Mass.
	W. F. Bowers & Co., San Francisco, Cal.
	Wm. B. Brook & Co., 47 Murray St., New York.
	Chelsea Wire Fabric Rubber Co., Chelsea, Mass.
	Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
	Cleveland Rubber Co., Cleveland, O.
	Conant Rubber Co., Hartford, Conn.
	Empire Rubber Co., Trenton, N. J.
	Goodyear Rubber Co., 487 Broadway, New York.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	Mercer Rubber Co., Trenton, N. J.
	National India Rubber Co., Bristol, R. I.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.
	New York Belting & Packing Co., 15 Park Row, New York.
	New York Rubber Co., 84 Reade St., New York.
	North Western Rubber Co., 141 Lake St., Chicago, Ill.
	Omaha Rubber Co., Omaha, Neb.
	Revere Rubber Co., 63 Franklin St., New York.
	Trenton Rubber Co., Trenton, N. J.
	United Rubber Co., Trenton, N. J.
S. STEAM HOSE.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Boston Woven Hose Co., Cambridgeport, Mass.
	Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
	Cleveland Rubber Co., Cleveland, O.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	John H. McGowan Co., 42 Central Av., Cincinnati, O.
	Mercer Rubber Co., Trenton, N. J.
	New York Belting & Packing Co., 15 Park Row, New York.
	Rand Drill Co., 23 Park Place, New York. *218
	Trenton Rubber Co., Trenton, N. J.
T. SUCTION HOSE.	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Boston Woven Hose Co., Cambridgeport, Mass.
	Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
	Cleveland Rubber Co., Cleveland, O.
	Fabric Fire Hose Co., 13 Park Row, New York.
	Goodyear Rubber Co., 487 Broadway, New York.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	Mercer Rubber Co., Trenton, N. J.
	New Jersey Car Spring & Rubber Co., Jersey City, N. J.

New York Belting & Packing Co., 15 Park Row, New York.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
Trenton Rubber Co., Trenton, N. J.

U. TANK HOSE.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O,
Mercer Rubber Co., Trenton, N. J.

V. TANNERS' HOSE.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.

W. TEST HOSE.
New York Belting & Packing Co., 15 Park Row, New York.

X. WIRE WOUND HOSE.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.

2738. HOSE FITTINGS.

A. HOSE BANDS.
C. E. Hudson, Leominster, Mass.
Springfield Brass Co., Springfield, O.

B. HOSE CLAMPS.
Belknap Mfg. Co., Bridgeport, Conn.
Haydenville Mfg. Co., 73 Beekman St., New York.

C. HOSE CLIPS.
E. A. Williams & Son, 107 Plymouth St , Jersey City, N. J.

D. HOSE COUPLINGS.
Boston Brass Co., 36 Oliver St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Crosby Steam Gage & Valve Co.,93Oliver St.,Boston,Mass. *128
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Eureka Fire Hose Co., 13 Barclay St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Haydenville Mfg. Co., 73 Beekman St., New York.
Peck Bros. & Co., New Haven, Conn.
Springfield Brass Co., Springfield, O.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

E. HOSE JACKETS.
Allen Fire Dept. Supply Co., Providence, R. I.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

F. HOSE NIPPLES.
Belknap Mfg. Co., Bridgeport, Conn.
Boston Brass Co., 36 Oliver St., Boston, Mass.

G. HOSE NOZZLES.
Boston Woven Hose Co., Cambridgeport, Mass.
Crosby Steam Gage &Valve Co.,93 Oliver St.,Boston, Mass. *128
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Andrew J. Morse & Sons, 140 Congress St., Boston, Mass.
Peck Bros. & Co., New Haven, Conn.

H. HOSE PIPES.
Belknap Mfg. Co., Bridgeport, Conn.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
G. A. Eberle, 93 Oliver St., Boston, Mass.
Haydenville Mfg. Co., 73 Beekman St., New York.
Andrew J. Morse & Son, 140 Congress St., Boston, Mass.
Peck Bros. & Co., New Haven, Conn.

I. HOSE SPLICES.
Belknap Mfg. Co., Bridgeport, Conn.

J. HOSE SPRINKLERS.
Belknap Mfg. Co., Bridgeport, Conn.
Haydenville Mfg. Co., 73 Beekman St., New Yoik.
Peck Bros. & Co., New Haven, Conn.

K. HOSE STRAPS.
Haydenville Mfg. Co., 73 Beekman St., New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.

L. HOSE WASHERS.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Trenton Rubber Co., Trenton, N. J.

2739. INDIGO.
Jas. L. Morgan & Co., 47 Fulton St., New York.
N. Y. Dye Wood Ext. Chemical Co., 55 Beekman St., New York.
Packard & James, 123 Maiden Lane, New York.
J. M. Sharpless & Co., 20 N. Front St., Philadelphia, Pa.
Whitney & Molt, Millbury, Mass.

2740. INK POWDERS.
Dennison & Brown, 2 Liberty St., New York.
Walpole Dye & Chemical Works, 117 Milk St., Boston, Mass.

2741. ISINGLASS.
Armour & Co., 506 N. Halstead St., Chicago, Ill.
Cape Ann Isinglass Co., Rockport, Mass.
Peter Cooper Glue Factory, 17 Burling Slip, New York.
C. J. Norwood, Ipswich, Mass.
Ripley Isinglass Co., Boston, Mass.
Geo. Upton, 239 Franklin St., Boston, Mass.
Wm. Zinsser & Co., 197 William St., New York.

2742. JAR TOPS, TIN.
Ohio Lantern Co., Tiffin, O. *28

2743. JEWELERS' SUPPLIES.
H. F. Carpenter, Providence, R. I.
P. E. Chase Mfg. Co., Rutland, Vt.
W. R. Cobb & Co., Pawtucket, R. I.
W. D. Fisher & Co., Attleboro' Falls, Mass.
Geo. H. Fuller & Son, Pawtucket, R. I.
E. A. Lauten & Co., 26 University Place, New York.

	Thos. W. Lind, Providence, R. I.
	H. D. Merritt & Co., N. Attleboro', Mass.
	Horace Remington & Son, Providence, R. I.
	Wm. B. Rider, Providence, R. I.
	H. B. Sommers & Co., 628 Arch St., Philadelphia, Pa.
	Josiah Walsham, Providence, R. I.
	Waterbury Brass Co., Waterbury, Conn.
A. BROOCH MOUNTINGS.	Day & Clark, Newark, N. J.
B. CHAIN HOOKS.	Wm. M. Fisher & Co., Providence, R. I.
	Geo. H. Fuller & Son, Pawtucket, R. I.
C. CHAIN RINGS.	W. D. Fisher & Co., Attleboro' Falls, Mass.
	Wm. M. Fisher & Co., Providence, R. I.
	Hamilton & Hamilton, Jr., Providence, R. I.
	Healey Bros., N. Attleboro', Mass.
	Waite, Mathewson & Co., Providence, R. I.
D. CHAIN TRIMMINGS.	B. A. Ballou & Co., Providence, R. I.
	W. R. Cobb & Co., Pawtucket, R. I.
	Wm. M. Fisher & Co., Providence, R. I.
	Geo. H. Fuller & Sons, Pawtucket, R. I.
	Hamilton & Hamilton, Jr., Providence, R. I.
	S. & B. Lederer, Providence, R. I.
	J. C. Lewis & Co., Providence, R. I.
	Martin Copeland & Co., 9 Maiden Lane, New York.
	R. F. Simmons & Co., Attleboro' Falls, Mass.
	Wm. Smith & Co., Providence, R. I.
	Stanley Bros., Attleboro' Falls, Mass.
	Waite, Mathewson & Co., Providence, R. I.
E. DIAMOND MOUNTINGS.	Wm. H. Ball & Co., 15 John St., New York.
	Blancard & Co., 38 John St., New York.
	Bonner & Eisler, 17 John St., New York.
	Brooks & Pike, 383 Washington St., Boston, Mass.
	Champenois & Co., 5 Maiden Lane, New York.
	Cox & Sedgwick Mfg. Co., 26 John St., New York.
	Hancock, Becker & Co., Providence, R. I.
	Hodenpyl & Sons, 170 Broadway, New York.
	National Watch Case & Jewelry Mfg. Co., 715 Arch St., Phila., Pa.
	A. Pinover & Co., 42 E. Houston St., New York.
	Ripley-Howland Mfg. Co., 383 Washington St., Boston, Mass.
	L. Sauter & Co., 1 Maiden Lane, New York.
	W. H. Sheafer & Co., 108 S. 8th St., Philadelphia, Pa.
	Waterman & Lehman, 37 Maiden Lane, New York.
	D. Wilcox & Co., Providence, R. I.
F. EAR RING BALLS.	Blancard & Co., 38 John St., New York.
	Geo. H. Fuller & Son, Pawtucket, R. I.
G. EAR WIRES.	Geo. H. Fuller & Son, Pawtucket, R. I.
	C. H. King, Providence, R. I.
	Wade, Davis & Co., Plainville, Mass.
H. HAIR CHAIN MOUNTINGS.	B. A. Ballou & Co., Providence, R. I.
	Wm. M. Fisher & Co , Providence, R. I.
	Foster & Bailey, Providence, R. I.
I. JEWELERS' ASBESTOS.	Chalmers-Spence Co., 419 8th St., New York.
J. JEWELERS' CARDS.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
	Narragansett Card Co., Providence, R. I.
	Young Bros., Providence, R. I.
K. JEWELERS' ENAMEL.	Gerstendorfer Bros., 17 Barclay St., New York.
	Henry D. Goldsmith, 146 Fulton St., New York.
	Kohler, Haysen & Stehn Mfg. Co., Sheboygan, Wis.
	Jas. G. Whitehouse, Providence, R. I.
L. JEWELERS' PLATE.	J. Briggs & Sons Co., Providence, R. I.
	Geo. H. Fuller & Son, Pawtucket, R. I.
	A. S. Gardner & Co., 17 Maiden Lane, New York.
	L. W. Pierce & Co., Providence, R. I.
M. JEWELERS' SOAP.	J. O. Draper & Co., Pawtucket, R. I.
N. JEWELERS' TAGS.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
O. METAL LAPS.	E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
P. PENCIL CASE STOCK.	J. Briggs & Sons Co., Providence, R. I.
Q. PIN TONGUES.	W. R. Cobb & Co., Pawtucket, R. I.
	Geo. H. Fuller & Son, Pawtucket, R. I.
R. SETTINGS.	Blancard & Co., 38 John St., New York.
	Geo. H. Fuller & Son, Pawtucket, R. I.
	Thos. W. Lind, Providence, R. I.
S. SPECTACLE STOCK.	J. Briggs & Sons Co., Providence, R. I.
T. SWIVELS.	W. D. Fisher & Co., Attleboro' Falls, Mass.
	Wm. M. Fisher & Co., Providence, R. I.
	Geo. H. Fuller & Son, Pawtucket, R. I.
	Hamilton & Hamilton, Jr., Providence, R. I.

Healey Bros., N. Attleboro', Mass.
Waite, Mathewson & Co., Providence, R. I.

2744. LABELS.

A. BRASS LABELS.
N. Stafford, 66 Fulton St., New York.
American Railway Supply Co., 24 Park Place, New York.
Brass Goods Mfg. Co., 88 Chambers St., New York.

B. CIGAR BOX LABELS.
Wm. Wicke Co., 1st Av. & E. 31st St., New York.
Wittemann Litho. Co., 188 William St., New York.

C. PASTEBOARD LABELS.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

D. SILK LABELS.
American Silk Label Mfg. Co., 420 Broome St., New York.

E. WOVEN LABELS.
N. Y. Woven Label Mfg. Co., 262 Canal St., New York.

2745. LABORATORY SUPPLIES.
Eimer & Amend, 205 3d Av., New York.

2746. LEATHER PANELS.
Thos. V. Johnson, 227 Canal St., New York.

2747. LEATHERETTE.
Shawmut Mfg. Co., 45 High St., Boston, Mass.

2748. LINSEED CAKE.
E. W. Blatchford & Co., 70 N. Clinton St., Chicago, Ill.
Campbell & Thayer, 89 Maiden Lane, New York.
Collier White Lead & Oil Co., Clark Av. & 10th St., St. Louis, Mo.
Griswold Linseed Oil Co., Cleveland, O.
Hanford-Hall Works, 975 The Rookery, Chicago, Ill.
National Linseed Oil Co., 967 The Rookery, Chicago, Ill.
Topeka Linseed & Oil Co., Topeka, Kan.
Woodman Linseed Oil Works, Omaha, Neb.

2749. LINSEED CAKE MEAL.
Campbell & Thayer, 89 Maiden Lane, New York.
H. S. Clark & Co., Mendota, Ill.
Dean Linseed Oil Co., 181 Front St., New York.
Griswold Linseed Oil Paint Co., Cleveland, O.
Hanford-Hall Works, 975 The Rookery, Chicago, Ill.
National Linseed Oil Co., 967 The Rookery, Chicago, Ill.
Topeka Linseed & Oil Co., Topeka, Kan.

2750. LIQUOR FLAVORS.
McKesson & Robbins, 91 Fulton St., New York.
W. H. Rudkin, 74 William St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

2751. LITHOGRAPHERS' SUPPLIES.

A. GRAINED ZINC.
Milton Bradley Co., Springfield, Mass.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.

B. HONES, STONE POLISHING.
Caron Stone Co., Louisville, Ky.

C. LITHOGRAPHING INKS.
Ault & Wiborg Co., 7th & Culvert Sts., Cincinnati, O.
Herman Behr, 75 Beekman St., New York.
Buffalo Printing Ink Works, Buffalo, N. Y.
Chas. Eneu Johnson & Co., 509 S. 10th St., Philadelphia, Pa.
Geo. Mather's Sons, 60 John St., New York.
Geo. H. Morrill & Co., 146 Congress St., Boston, Mass.
Queen City Printing Ink Co., South St. n. Evans, Cincinnati, O.
C. E. Robinson & Bro., 710 Sansom St., Philadelphia, Pa.
B. Thalmann, 210 Olive St., St. Louis, Mo.
H. D. Wade & Co., 28 Reade St., New York.
W. D. Wilson Printing Ink Co., Ltd., 96 Fulton St., New York.
J. K. Wright & Co., 616 Sansom St., Philadelphia, Pa.
Saml. P. Wright & Co., Camden, N. J.

D. LITHOGRAPHERS' PLATES.
Jno. Carbutt, Wayne Junction, Philadelphia, Pa.
Duquesne Co., Pittsburgh, Pa.
Kidder Press Mfg. Co., 24 Norfolk Av., Boston, Mass.
Matthiesson & Hegeler Zinc Co., La Salle, Ill.

E. LITHOGRAPHIC STONE.
Caron Stone Co., Louisville, Ky.

F. LITHOGRAPHIC VARNISH.
C. W. H. Carter, 26 Rose St., New York.
Chas. Eneu Johnson & Co., 509 S. 10th St., Philadelphia, Pa.
Geo. Mather's Sons, 60 John St., New York.
Geo. H. Morrill & Co., 146 Congress St., Boston, Mass.
B. Thalmann, 210 Olive St., St. Louis, Mo.
H. D. Wade & Co., 28 Reade St., New York.
Sam'l P. Wright & Co., Camden, N. J.

G. STOCK CUTS.
F. A. Ringler Co., 21 Barclay St., New York. *255
Herman Schedler, 96 Church St., New York.

H. STONE POLISHING PUTTY.
Caron Stone Co., Louisville, Ky.

2752. LOGWOOD, CUT & GROUND.
W. G. Johnson, Uncasville, Conn.
Jas. L. Morgan & Co., 47 Fulton St., New York.
Wm. B. Rider, Providence, R. I.

2753. LUBRICATORS.
Ashcroft Mfg. Co., 111 Liberty St., New York.
H. Belfield & Co , 435 N. Broad St., Philadelphia, Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Boston Brass Co., 36 Oliver St., Boston, Mass.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Crescent Mfg. Co., Cleveland, O.

Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
H. J. Delaney & Co., Milwaukee, Wis.
Detroit Lubricator Co., Detroit, Mich.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Frontier Iron & Brass Works, Detroit, Mich.
J. E. Lonergan & Co., 211 Race St., Philadelphia, Pa.
Lovell, Tracy & Co., Hartford, Conn.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.
Michigan Lubricator Co., Detroit, Mich.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Nathan Mfg. Co., 92 Liberty St., New York.
Seibert Cylinder Oil Cup Co., 53 Oliver St., Boston, Mass.
Sherwood Mfg. Co., Buffalo, N. Y.
Springfield Brass Co., Springfield, O.
Star Brass Mfg. Co., Boston, Mass.
Unique Lubricator Co., Mansfield, O.
Van Duzen & Tift Co., 102 E. 2d St., Cincinnati, O.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

A. CRANK PIN OILERS.
Dickson Mfg. Co., Scranton, Pa.
Frontier Iron & Brass Works, Detroit, Mich.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.

B. DYNAMO LUBRICATORS.
Wm. Powell Co., 50 Plum St., Cincinnati, O.
Sherwood Mfg. Co., Buffalo, N. Y.

C. GREASE CUPS.
H. J. Delaney & Co., Milwaukee, Wis.
Forest City Brass Works, Cleveland, O.
John S. Hall, 40 Cortlandt St., New York.
Wm. P. Miller Co., 100 Greenpoint Av., Brooklyn, N. Y.
Walker Mfg. Co., Cleveland, O.

D. OIL CUPS.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Belknap Mfg. Co., Bridgeport, Conn.
Boston Brass Co., 36 Oliver St., Boston, Mass.
Bourbon Copper & Brass Works, 197 E. Front St., Cincinnati, O.
A. W. Cadman & Co., Pittsburgh, Pa.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
John S. Hall, 40 Cortlandt St., New York.
McNab & Harlin Mfg. Co., Paterson, N. J.
Newark Lubricator Mfg. Co., Newark, N. J.
Peck Bros. & Co., New Haven, Conn.
Penberthy Injector Co., Detroit, Mich.
Seibert Cylinder Oil Cup Co., 53 Oliver St., Boston, Mass.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

E. OIL CUPS, GLASS.
Consolidated Fruit Jar Co., 49 Warren St., New York.
Lunkenheimer Brass Mfg. Co., 11 E. 8th St., Cincinnati, O.

F. SIGHT FEED LUBRICATORS
Crosby Steam Gage & Valve Co., 93 Oliver St., Boston, Mass. *128
Detroit Lubricator Co., Detroit, Mich.
John S. Hall, 40 Cortlandt St., New York.
Nathan Mfg. Co., 92 Liberty St., New York.
Wm. Powell Co., 50 Plum St., Cincinnati, O.
Sherwood Mfg. Co., Buffalo, N. Y.
Siebert Cylinder Oil Cup Co., 53 Oliver St., Boston, Mass.
Unique Lubricator Co., Mansfield, O.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

2754. LYE.
Albany Chemical Works, Albany, N. Y.
E. N. Hall, 91 Wall St., New York.
New York Chemical Works, 102 Reade St., New York.
Pennsylvania Chemical Works, 514 S. 3d St., Philadelphia, Pa.
Pennsylvania Salt Mfg. Co., 115 Chestnut St., Philadelphia, Pa.

2755. MACHINE KEYS.
Billings & Spencer Co., Hartford, Conn. *103
Dickson Mfg. Co., Scranton, Pa.
Meyer & Co., Throopsville, N. Y.
Morton Mfg. Co., Romeo, Mich.
Sandwich Mfg. Co., Sandwich, Ill.
Whitman & Barnes Mfg. Co., Syracuse, N. Y.

2756. MALT.
Beadleston & Woerz, 291 W. 10th St., New York.
Geo. Bullen & Co., Illinois cor. St. Clair Sts., Chicago, Ill.
John L. Busch & Son, Hastings, Minn.
Dole Bros., 101 Commercial St., Boston, Mass.
Engesser Brewing Co., St. Peter, Minn.
H. Ferneding & Son, Dayton, O.
Peter Ganser, Owatonna, Minn.
Wm. Gerlach & Co., Milwaukee, Wis.
Hastings Malting Co., Hastings, Minn.
John Hauenstein, New Ulm, Minn.
Kenosha Malting Co., Kenosha, Wis.

J. B. Manning & Sons, Buffalo, N. Y.
Moser & Heidenheimer, 13 Stone St., New York.
S. K. Neester, Geneva, N. Y.
Parsons Malting Co., Sodus Point, N. Y.
Schaefer & Bro., Buffalo, N. Y.
Chas. Sohngen & Co., Hamilton, O.
F. G. & I. N. Van Vliet, Newark, N. J.
C. M. Warner, Jordan, N. Y.

2757. MARBLE DUST.
W. H. Hutchinson & Son, 196 S. Desplaines St., Chicago, Ill.
J. B. King & Co., New Brighton, S. I., N. Y.
Martin Kalbfleisch's Sons Co., 55 Fulton St., New York.
E. A. Rand & Sons, North Adams, Mass.
Sherman & Flavin, 2511 State St., Chicago, Ill.

2758. MAST HOOPS.
J. A. Dubuar Mfg. Co., Northville, Mich.

2759. MEAT CURING SYRUP.
M. Hammerschlag, 50 Dey St., New York.

2760. METAL COMB BACKS.
Matthews & Willard Mfg. Co., Waterbury, Conn.

2761. MICA.
A. G. Brauer, 219 Locust St., St. Louis, Mo.
Ilsley, Doubleday & Co., 229 Front St., New York.
Eugene Munsell & Co., 218 Water St., New York.
J. S. & M. Peckham, Utica, N. Y.

2762. MILLINERY.

A. ARTIFICIAL FEATHERS.
S. J. Held, 602 Broadway, New York.
David Henly's Sons, 47 N. 6th St., Philadelphia, Pa.
R. Lindheim, 587 Broadway, New York.
Chas. Siebert, 523 Broome St., New York.
Stein & Heilbrun, 581 Broadway, New York.
M. Wassermann, 596 Broadway, New York.
Thos H. Wood & Co., 573 Broadway, New York.

B. BONNET FRAMES.
John W. Calver & Co., 727 Arch St., Philadelphia, Pa.
Gotthold & Co., 561 Broadway, New York.
T. B. Smith, 114 Wabash Av., Chicago, Ill.
Stadecker & Emsheimer, 31 E. Houston St., New York.
Oscar E. A. Wiessner, 50 Bleecker St , New York.
T. W. Wynes & Co., 574 Park Av., Brooklyn, N. Y.

C. HAT FRAMES.
John W. Calver & Co., 727 Arch St., Philadelphia, Pa.
J. & G. H. Gill, Orange, N. J.
Gotthold & Co., 561 Broadway, New York.
T. W. Hynes & Co., 574 Park Av., Brooklyn, N. Y.
Thomas Jackson, 822 Lawrence St., Philadelphia, Pa.
T. B. Smith, 114 Wabash Av., Chicago, Ill.
Stadecker & Emsheimer, 31 E. Houston St., New York.
Oscar E. A. Wiessner, 50 Bleecker St., New York.

D. MILLINERY FEATHERS.
Jos. H. Batty, 19 W. 3d St., New York.
J. & L. Baxter, 731 Arch St., Philadelphia, Pa.
S. J. Held, 602 Broadway, New York.
Herman & Guinzburg, 629 Broadway, New York.
R. Lindheim, 587 Broadway, New York.
E. Moch & Co., 173 Mercer St., New York.
Stein & Heilbrun, 581 Broadway, New York.
M. J. Taylor & Co., 84 Wooster St., New York.
M. Wassermann, 596 Broadway, New York.
Thos. H. Wood & Co., 573 Broadway, New York.
Wurzburger & Hecht, 605 Broadway, New York.

E. MILLINERY FLOWERS.
E. Allmayer, 635 Broadway, New York.
F. Bianchi & Co., 547 Broadway, New York.
Cassagne & Vien, 3 W. 3d St., New York.
S. J. Held, 602 Broadway, New York.
David Henly's Sons, 47 W. 6th St., Philadelphia, Pa.
Herman & Guinzburg, 629 Broadway, New York.
R. Lindheim, 587 Broadway, New York.
Stein & Heilbrun, 581 Broadway, New York.
M. Wassermann, 596 Broadway, New York.
Worthington, Smith & Co., 33 E. 17th St., New York.
Wurzburger & Hecht, 695 Broadway, New York.

F. MILLINERY NOVELTIES.
A. Bader & Co., 436 Broome St., New York.
Castle Braid Co., 15 Mercer St., New York.

G. MILLINERY ORNAMENTS.
A. Bader & Co., 436 Broome St., New York.
Veit, Son & Co., 622 Broadway, New York.
John Henry Vogt, 270 Broadway, New York.

2763. MILLSTONES.
Bradford Mill Co., Evans & 8th Sts., Cincinnati, O.
Browne, McAllister & Co., 431 W. 14th St., New York.
Leonard D. Harrison, New Haven, Conn.
Munson Bros., Utica, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind. *208
John T. Noye Mfg. Co., Buffalo, N. Y.

B. F. Starr & Co., Baltimore, Md.
A. BUHR MILLSTONES. Saml. Carey, 17 Broadway, New York. *255
Munson Bros., Utica, N. Y.
Thompson & Campbell, 1022 Germantown Av., Phila., Pa.
B. MILLSTONE FIXTURES. Saml. Carey, 17 Broadway, New York. *255
John T. Noye Mfg. Co., Buffalo, N. Y.

2764. MITRE FASTENERS. Pratt & Letchworth, Buffalo, N. Y.

2765. MOULDINGS.

A. BRASS MOULDINGS. Holmes, Booth & Haydens, Waterbury, Conn. *100 & 221
Plume & Atwood Mfg. Co., Waterbury, Conn.
Post & Co., 217 W. 4th St., Cincinnati, O.
Randolph & Clowes, Waterbury, Conn.
B. BRONZE MOULDINGS. Schaber, Reinthal & Co., Cleveland, O.
Toledo Moulding Co., Toledo, O.
C. FRAME MOULDINGS. Adley Mfg. Co., 196 N. Union St., Chicago, Ill.
C. O. Baxter & Co., 501 S. 3d St., St. Louis, Mo.
Alex. Ceppi & Co., Broadway & Albany St., Boston, Mass.
W. S. Dunn & Co., Richmond, Ind.
J. W. Gillis, Rochester, N. Y.
Hargreaves Mfg. Co., Detroit, Mich.
Jno. L. Hoffman, 116 E. 14th St., New York.
Pierce & Bushnell Mfg. Co., New Bedford, Mass.
Reuhl Moulding Mfg. Co., 294 Main St., Cincinnati, O.
August F. Richter, 42 Huron St., Chicago, Ill.
A. Roberson, Binghamton, N. Y. *253
Chas. Taber & Co., New Bedford, Mass.
Toledo Moulding Co., Toledo, O.
J. R. Webber Moulding Co., 2000 N. Broadway, St. Louis, Mo.
D. GILT MOULDINGS. H. Kissinger & Co., New Haven, Conn.
Joseph Klicka, 114 S. Jefferson St., Chicago, Ill.
August F. Richter, 42 Huron St., Chicago, Ill.
Schaber, Reinthal & Co., Cleveland, O.
Toledo Moulding Co., Toledo, O.
E. PIANO MOULDINGS. Randolph & Clowes, Waterbury, Conn.

2766. MUCILAGE CAPS. Brass Goods Mfg. Co., 254 State St., Brooklyn, N. Y.

2767. MUSICAL INSTRUMENT TRIMMINGS.
Fred. Gretsch, 130 Middleton St., Brooklyn, N. Y.

2768. NAVAL STORES. John A. Casey, 142 Maiden Lane, New York.
Donaldson & Fain, Faceville, Ga.
Paterson, Downing & Co., 154 Front St., New York.
Pittman Bros., Charleston, S. C.
S. P. Shotter & Co., Savannah, Ga.
A. OAKUM. H. L. Alden, Camden, Me.
W. O. Davey & Sons, Jersey City, N. J.
De Grauw, Aymar & Co., 34 South St., New York.
Elizabethport Cordage Co., Elizabethport, N. J.
Fulton, Bollman & Co., Pittsburgh, Pa.
B. Mills' Sons, Jersey City, N. J.
Slover & Tyler, 47 South St., New York.
Geo. Stratford Oakum Co., Jersey City, N. J.
Tibbals & Co., Cobalt, Conn.
B. TURPENTINE. Joseph H. Baker & Son, Allapaha, Ga.
A. P. Brantley Co., Blackshear, Ga.
John A. Casey, 142 Maiden Lane, New York.
Fernoline Chemical Co., 18 Broadway, New York.
Waff, Booth & Co., McRae, Ga.

2769. NECKTIE SUPPLIES. Chas. E. Damon & Co., Reading, Mass.
William H. Hart, Jr., 242 Chestnut St., Philadelphia, Pa.
A. SCARF NEEDLES. H. A. Williams Mfg. Co., Taunton, Mass. *52

2770. NOILS. W. T. Tilden, 264 N. Front St., Philadelphia, Pa.

2771. OILERS, MACHINE. Bridgeport Brass Co., Bridgeport, Conn. *27
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hero Fruit Jar Co., Gaul & Adams Sts., Philadelphia, Pa.
J. E. Lonergan & Co., 211 Race St., Philadelphia, Pa.
Edward Miller & Co., Meriden, Conn.
C. S. Osborne & Co., Newark, N. J.
Paine, Diehl & Co., 1430 S. Pennsylvania Sq., Philadelphia, Pa.
Wm. Powell Co., 50 Plum St., Cincinnati, O.
Joseph Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Tower & Lyon, 95 Chambers St., New York.
Wallace & Sons, Ansonia, Conn.
H. A. Williams Mfg. Co., Taunton, Mass. *52
A. ENGINEERS' OIL CANS. Manhattan Brass Co., 338 E. 28th St., New York.
H. A. Williams Mfg. Co., Taunton, Mass. *52
F. Cortez Wilson & Co., 239 Lake St., Chicago, Ill.
B. MACHINISTS' OIL CANS. Manhattan Brass Co., 338 E. 28th St., New York.

H. A. Williams Mfg. Co., Taunton, Mass. *52
F. Cortez Wilson & Co., 239 Lake St., Chicago, Ill.

C. MILL OILERS.
American Supply Co., Providence, R. I. *173
Deverall Perfection Mfg. Co., 36 Bridge St., Brooklyn, N. Y.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Wallace & Sons, Ansonia, Conn.
H. A. Williams Mfg. Co., Taunton, Mass. *52

D. POCKET OILERS.
Cushman & Denison, 172 9th Av., New York.

E. RAILROAD OILERS.
Deverall Perfection Mfg. Co., 36 Bridge St., Brooklyn, N. Y.
H. A. Williams Mfg. Co.. Taunton, Mass. *52
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

2772. PACKING.

A. ASBESTOS PACKING.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Shields & Brown Co., 240 Randolph St., Chicago, Ill.
Stark Machine & Tool Co., Buffalo, N. Y. *248
H. F. Watson Co., Erie, Pa.

B. COTTON PACKING.
V. W. Crowson & Co., Westfield, Mass.
Massasoit Mfg. Co., Fall River, Mass.
Tuskaloosa Mfg. Co., Tuskaloosa, Ala.

C. ENGINE PACKING.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
A. W. Chesterton & Co., 49 India St., Boston, Mass.
Garlock Packing Co., Palmyra, N. Y.
John H. McGowan Co., 42 Central Av., Cincinnati, O.

D. GUM PACKING.
Boston Woven Hose Co., Cambridgeport, Mass.
Canfield Mfg. Co., 125 N. 7th St., Philadelphia, Pa.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
James Glanding Co., 115 Queen St., Philadelphia, Pa.
Trenton Rubber Co., Trenton, N. J.

E. HEMP PACKING.
John Bonte's Sons Co., 327 Broadway, Cincinnati, O.
Elizabethport Cordage Co., Elizabethport, N. J.
Chas. C. Jacobs Cordage Co., 83 Walnut St., Cincinnati, O.
Livermore Foundry & Machine Co , Memphis, Tenn.

F. LOCOMOTIVE PACKING.
Silver Lake Mfg. Co., Newtonville, Mass.

G. METALLIC PACKING.
Common Sense Met. Packing Co., 202 W. Houston St., New York.
Dickson Mfg. Co., Scranton, Pa.
Tripp Mfg. Co., 8 Summer St., Boston, Mass.
U. S. Metallic Packing Co., 110 Bullitt Bl'd'g, Philadelphia, Pa.

H. PAPER PACKING.
T. P. Ford, 95 Liberty St., New York.

I. PISTON PACKING.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Dickson Mfg. Co., Scranton, Pa.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Wm. A. Harris Steam Engine Co., Providence, R. I.
Home Rubber Co., Trenton, N. J.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
Trenton Rubber Co., Trenton, N. J.

J. PLUMBAGO PACKING.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Greene, Tweed & Co., 83 Chambers St., New York.
Home Rubber Co., Trenton, N. J.
Trenton Rubber Co., Trenton, N. J.

K. PURE RUBBER PACKING.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Livermore Foundry & Machine Co., Memphis, Tenn.

L. RING PACKING.
Garlock Packing Co., Palmyra, N. Y.
Goodyear Rubber Co., 487 Broadway, New York.

M. ROD PACKING.
American Steam Packing Co., 51 Kilby St., Boston, Mass.
Asbestos Packing Co., 169 Congress St., Boston, Mass.
S. E. Chubbuck & Sons, 971 Tremont St., Boston, Mass.
Forest City Packing Co., Cleveland, O.
Garlock Packing Co., Palmyra, N. Y.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Jenkins Bros., 71 John St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
New York Belting & Packing Co., 15 Park Row, New York.
Revere Rubber Co., 63 Franklin St., Boston, Mass.
U. S. Metallic Packing Co., 110 Bullitt Building, Philadelphia, Pa.

N. RUBBER PACKING.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
W. F. Bowers & Co., San Francisco, Cal.

Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Conant Rubber Co., Hartford, Conn.
Erie Rubber Co., Erie, Pa.
Empire Rubber Co., Trenton, N. J.
B. F. Goodrich Co., Akron, O.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Home Rubber Co., Trenton, N. J.
Jenkins Bros., 71 John St., New York.
New York Belting & Packing Co., 15 Park Row, New York.
New York Car Spring & Rubber Co., Jersey City, N. J.
New York Rubber Co., 84 Reade St., New York.
Northwestern Rubber Co., 141 Lake St., Chicago, Ill.
Trenton Rubber Co., Trenton, N. J.
United Rubber Co., Trenton, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

O. RUBBER BACK PACKING. Cleveland Rubber Co., Cleveland, O.

P. SELF-VULCANIZING PACKING. Cleveland Rubber Co., Cleveland, O.
Jenkins Bros., 71 John St., New York.

Q. SHEET PACKING. Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Jenkins Bros., 71 John St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John A. McConnell & Co., Pittsburgh, Pa.
New York Belting & Packing Co., 15 Park Row, New York.
Revere Rubber Co., 63 Franklin St., Boston, Mass.

R. SOAPSTONE PACKING. Silver Lake Co., Newtonville, Mass.

S. STEAM PACKING. Asbestos Packing Co., 169 Congress St., Boston, Mass.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Boston Woven Hose Co., Cambridgeport, Mass.
Chalmers-Spence Co., 419 8th St., New York.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Empire Rubber Co., Trenton, N. J.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Jenkins Bros., 71 John St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
Mercer Rubber Co., Trenton, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
U. S. Metallic Packing Co., 110 Bullitt Building, Philadelphia, Pa.
Silver Lake Co., Newtonville, Mass.
Trenton Rubber Co., Trenton, N. J.

T. VULCANIZED FIBRE PACKING. Vulcanized Fibre Co., Wilmington, Del.

U. WIRE ROPE PACKING. New Jersey Car Spring & Rubber Co., Jersey City, N. J.

2773. PAIL SUPPLIES.

A. PAIL EARS. Plume & Atwood Mfg. Co., Waterbury, Conn.

B. PAIL HOOPS. Wm. Clark's Son & Co., Pittsburgh, Pa.

C. PAIL WOODS. Baker, McMillan & Co., Akron, O.

D. SAP PAIL LOOPS. American Buckle & Cartridge Co., W. Haven, Conn.
Record Mfg. Co., Conneaut, O.

2774. PAINTERS' SUPPLIES.

John Corcoran, 141 E. 42d St., New York.
F. W. Devoe & Co., Fulton & William Sts., New York.
E. B. Estes & Sons, 254 Pearl St., New York.
W. C. Peale & Bro., 332 Central Av., Cincinnati, O.
C. T. Raynolds & Co., 106 Fulton St., New York.
J. Russell & Co., 37 Reade St., New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

2775. PAPER MANUFACTURERS' SUPPLIES.

A. CHEMICAL FIBRE. Alpena Sulphite Fibre Co., Alpena, Mich.
Atlas Paper Co., Appleton, Wis.
Barclay Fibre Co., Saugerties, N. Y.
Philip Carey Mfg. Co., 119 Gilbert St., Cincinnati, O.
Detroit Sulphite Fibre Co., Detroit, Mich.
R. H. Emerson & Co., Jackson, Mich.
Forest Fibre Co., Berlin Falls, N. H.
Geo. H. Friend Paper Co., W. Carrolton, O.
Hudson River Water Power & Paper Co., Mechanicville, N. Y.
Jessup & Moore Paper Co., 28 S. 6th St., Philadelphia, Pa.
New England Fibre Co., Turner's Falls, Mass.
New York & Pennsylvania Co., Lock Haven, Pa.
Pennsylvania Pulp & Paper Co., Lock Haven, Pa.
Remington Paper Co., Watertown, N. Y.
Russell Paper Co., 85 Water St., Boston, Mass.
Somerset Fibre Co., Fairfield, Me.

Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224
George West, Ballston Spa, N. Y.
Wilkinson Bros. & Co., 74 Duane St., New York.

B. PAPER CLAY.
Goss & Gleason, Vergennes, Vt.
Richard McNamee & Co., 234 Broadway, New York.
Star Clay Co., Mertztown, Pa.

C. PAPER SIZING.
Wm. H. Brown, Peabody, Mass.

D. PAPER STOCK.
Binghamton Paper Stock Co., Ltd., Oneonta, N. Y.
Cable Flax Mills, Schaghticoke, N. Y.
P. C. Cheney Co., Manchester, N. H.
W. & D. G. Crane, Burlington, Vt.
Massasoit Mfg. Co., Fall River, Mass.
Olmsted & Tuttle Co., Chicopee, Mass.
Perkins, Goodwin & Co., 68 Duane St., New York.
Tompkins Paper Stock Co., Albany, N. Y.
Train, Smith & Co., 24 Federal St., Boston, Mass.

E. STRAW PULP.
Adirondack Pulp Co., Gouverneur, N. Y.
Ohio Paper Co., Miamisburg, O.

F. WOOD PULP.
American Wood Paper Co., River rd. n. Fountain, Phila., Pa.
Androscoggin Pulp Co., Portland, Me.
Appleton Paper & Pulp Co., Appleton, Wis.
Atlas Paper Co., Appleton, Wis.
Ausable Pulp Co., Troy, N. Y.
Badger Paper Co., Kaukauna, Wis.
Battenkill Paper Co., Middle Falls, N. Y.
Bennington Falls Pulp Co., Middle Falls, N. Y.
Birkett Bros., Petoskey, Mich.
Brown Bros., Comstock's Bridge, Conn.
Cascade Wood Pulp Co., Lockport, N. Y.
Centralia Pulp & Water Power Co., Centralia, Wis.
P. C. Cheney Co., Manchester, N. H.
Cleveland Paper Co., Cleveland, O.
Columbia River Paper Co., La Camas, Wash.
Cornwell Bros. Mfg. Co., Ann Arbor, Mich.
DuPont & Co., Louisville, Ky.
Eau Claire Pulp & Paper Co., Eau Claire, Wis.
Fall Mountain Paper Co., 85 Water St., Boston, Mass.
Glens Falls Paper Mill Co., Glens Falls, N. Y.
Godfrey & Clark Paper Co., Pittsburgh, Pa.
G. H. P. Gould, Lyon's Falls, N. Y.
Hill & Johnson Mfg. Co., Bath, S. C.
Hudson River Pulp & Paper Co., 88 Times Bldg., New York.
Kaukauna Paper Co., Kaukauna, Wis.
Kennebec Fibre Co., Waterville, Me.
Kimberly & Clark Co., Appleton, Wis.
Lake George Paper & Pulp Co., Ticonderoga, N. Y.
Lamoille Valley Pulp Co., Morrisville, Vt.
Thos. Lape, Valley Falls, N. Y.
Marietta Paper Mfg. Co., Marietta, Ga.
Marinette & Menominee Paper Co., Marinette, Wis.
Marion Pulp Co., Marion, Ind.
Mason & Barry, Bristol, N. H.
Montague Paper Co., Turner's Falls, Mass.
Moore, Brown & Co., Concord, N. H.
Norway Pulp Co., Monticello, Ind.
Ohio Paper Co., Miamisburg, O.
Ohio Pulp Co., Grand Rapids, O.
Ondawa Paper Co., Greenwich, N. Y.
Oswego River Pulp Co., Fulton, N. Y.
Patten Paper Co., Ltd., Appleton, Wis.
Pioneer Pulp Co., Alta, Cal.
Poland Paper Co., Mechanic Falls, Me.
Potomac Pulp Co., Conowingo, Md.
Jas. Ramage Paper Co., Monroe Bridge, Mass.
E. S. Reynolds, South Bend, Ind.
Richards Paper Co., Gardiner, Me.
Rochester Paper Co., Rochester, N. Y.
Russell, Willard & Co., Bellows Falls, Vt.
South Bend Pulp Co., South Bend, Ind.
Spaulding & Shepley, W. Derby, Vt.
Susquehanna Water Power & Paper Co., Conowingo, Md.
Taggart Bros. Co., Watertown, N. Y.
Ticonderoga Pulp & Paper Co., Ticonderoga, N. Y. *224
Tippecanoe Paper Co., Monticello, Ind.
Train, Smith & Co., 24 Federal St., Boston, Mass.
Turner's Falls Paper Co., Turner's Falls, Mass.

Umbagog Pulp Co., Livermore Falls, Me.
Union Pulp Co., Kaukauna, Wis.
Wm. J. Valentine, Warrensburg, N. Y.
George West, Ballston Spa, N. Y.
Wilder & Co., 220 Devonshire St., Boston, Mass.
Winnipiseogee Paper Co., Franklin, N. H.
Wisconsin Wood Pulp Co., Centralia, Wis.
York Haven Paper Co., 308 Walnut St., Philadelphia, Pa.
Ypsilanti Paper Co., Ypsilanti, Mich.

2776. PARIS GREEN.
S. Adler & Sons, 197 Pearl St., New York.
A. B. Ansbacher & Co., 4 Murray St., New York.
New York Enamel Paint Co., 240 Pearl St., New York.
Pfeiffer & Lavanburg, 165 William St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

2777. PARREL TRUCKS.
J. A. Dubuar Mfg. Co., Northville, Mich.

2778. PATTERNS.
M. T. Gleeson, Columbus, O.
Hurlbut Mfg. Co., Racine Junction, Wis.
Michigan Brick & Tile Machine Works, Morenci, Mich.
Henry A. Noble, 203 Dock St., Philadelphia, Pa.

A. METAL PATTERNS.
Forest City Brass Works, Cleveland, O.
Taylor & Boggis Foundry Co., 65 Central Way, Cleveland, O.

B. STOVE PATTERNS.
E. J. Cridge, 452 Fulton St., Troy, N. Y.
Gobeille Pattern Works Co., Cleveland, O.
Harris Stove Pattern & Machinery Co., Hamilton, O.
N. S. Vedder Pattern Works, Troy, N. Y.

2779. PAVING PITCH.
New York Coal Tar Chemical Co., 10 Warren St., New York.
Philip Carey Mfg. Co., 119 Gilbert Av., Cincinnati, O.

2780. PERFORATED METAL SCREENS.
Robt. Aitchison Perf. Metal Co., 76 E. Van Buren St., Chicago, Ill.
Harrington & King Perf. Co., 224 N. Union St , Chicago, Ill.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

2781. PHOTOGRAPHIC APPARATUS.

A. CAMERAS.
J. A. Anderson, 65 Indiana St., Chicago, Ill.
Blair Camera Co., 471 Tremont St., Boston, Mass.
Eastman Company, Rochester, N. Y.
Rochester Optical Co., Rochester, N. Y.
Scovill & Adams Co., Waterbury, Conn.

B. CAMERA STANDS.
J. A. Anderson, 65 Indiana St., Chicago, Ill.
Rochester Optical Co., Rochester, N. Y.

C. DETECTIVE CAMERAS.
Blair Camera Co., 471 Tremont St., Boston, Mass.
Eastman Company, Rochester, N. Y.

D. DRY PLATE HOLDERS.
John Barnett, 832 Broadway, New York.
Blair Camera Co., 471 Tremont St., Boston, Mass.
Rochester Optical Co., Rochester, N. Y.
Scovill & Adams Co., Waterbury, Conn.

E. ENLARGING APPARATUS.
Eastman Company, Rochester, N. Y.
Scovill & Adams Co., Waterbury, Conn.

F. LANTERNS, DRY PLATE.
John Carbutt, Wayne Junction, Philadelphia, Pa.
Rochester Optical Co., Rochester, N. Y.
Scovill & Adams Co., Waterbury, Conn.

G. LANTERN TRANSPARENCY PLATES.
John Carbutt, Wayne Junction, Philadelphia, Pa.

H. PHOTOGRAPHIC LENSES.
Barker & Starbird, 56 Bromfield, Boston, Mass.
Bausch & Lomb Optical Co., Rochester, N. Y.
R. D. Gray, 76 Beekmen St., New York.
Wm. T. Gregg, 122 Fulton St., New York.
Gundlach Optical Co., Rochester, N. Y.
Chas. Koehler, 17 Province St., Boston, Mass.
W. & D. Mogey, 418 W. 27th St., New York.

I. PHOTOGRAPHIC OUTFITS, AMATEUR.
Blair Camera Co., 471 Tremont St., Boston, Mass.
Eastman Company, Rochester, N. Y.
Oscar Foss, 841 Mission St., San Francisco, Cal.
E. I. Horsman, 341 Broadway, New York.
Rochester Optical Co., Rochester, N. Y.
Scovill & Adams Co., Waterbury, Conn.

J. PHOTOGRAPHIC SHUTTERS.
Bausch & Lomb Optical Co., Rochester, N. Y.
Prosch Mfg. Co., 389 Broome St., New York.

K. PHOTO PRINT CUTTERS.
Acme Burnisher Co., Fulton, N. Y.

L. POCKET RED LANTERNS.
R. E. Dietz Co., 60 Laight St., New York. *254

M. PORTABLE DARK ROOMS.
J. H. Markley, 169 Meserole Av., Greenpoint, Brooklyn, N. Y.

N. ROLL HOLDERS.
J. A. Anderson, 65 Indiana St., Chicago, Ill.
Eastman Company, Rochester, N. Y.
Gifford Mfg. Co., Watertown, N. Y.

2782. PHOTOGRAPHIC SUPPLIES.
Blair Camera Co., 471 Tremont St., Boston, Mass.

	Buchanan, Bromley & Co., 1226 Arch St., Philadelphia, Pa.
	Norton Bros., 36 River St., Chicago, Ill.
	Rochester Optical Co., Rochester, N. Y.
	Scovill & Adams Co., Waterbury, Conn.
A. BROMIDE PAPER.	Allen & Rowell, 485 Tremont St., Boston, Mass.
	Eastman Company, Rochester, N. Y.
B. BRUSHES, PHOTOGRAPHERS'.	F. W. Devoe & Co., Fulton & William Sts., New York.
C. BURNISHERS, PHOTOGRAPH.	Acme Burnisher Co., Fulton, N. Y.
	Wm. G. Entrekin, 1315 Columbia Av., Philadelphia, Pa.
	Peerless Burnisher Co., Troy, N. Y.
	Victor Burnisher Co., Chicopee, Mass.
D. COLORS, PHOTOGRAPHIC.	Homer Worden, 228 E. 24th St., New York.
E. COTTON, PHOTOGRAPHIC.	Chas. Cooper & Co., 194 Worth St., New York.
F. DRY PLATES.	Allen & Rowell, 485 Tremont St., Boston, Mass,
	Blair Camera Co., 471 Tremont St., Boston, Mass.
	John Carbutt, Wayne Junction, Philadelphia, Pa.
	G. Cramer, Shenandoah & Buena Vista Sts., St. Louis, Mo.
	Eastman Company, Rochester, N. Y.
	C. & V. E. Forbes, Rochester, N. Y.
	G. Gennert, 54 E. 10th St., New York.
	Harvard Dry Plate Co., Cambridgeport, Mass.
	S. C. Passavant, San Francisco, Cal.
	Phenix Plate Co., Worcester, Mass.
	Rockford Dry Plate Co., Rockford, Ill.
	M. A. Seed Dry Plate Co., 2005 Lucas Place, St. Louis, Mo.
	Standard Dry Plate Co., Lewiston, Me.
	Stanley Dry Plate Co., Newton, Mass.
	Wuestner's New Eagle Dry Plate Works, Jersey City, N. J.
G. EIKONOGEN DEVELOPER.	G. Cramer, Shenandoah & Buena Vista Sts., St. Louis, Mo.
H. FERROTYPE PLATES.	Phenix Plate Co., Worcester, Mass.
I. FILMS, PHOTOGRAPHIC.	Allen & Rowell, 485 Tremont St., Boston, Mass.
	Eastman Company, Rochester, N. Y.
J. FLASH POWDER.	Chas. Cooper & Co., 194 Worth St., New York.
K. FLEXIBLE NEGATIVE FILMS.	John Carbutt, Wayne Junction, Philadelphia, Pa.
L. NEGATIVE PAPER.	Eastman Company, Rochester, N. Y.
M. PASTE, PHOTOGRAPHERS'.	F. W. Devoe & Co., Fulton & William Sts., New York.
	Diamond Paste Co., Albany, N. Y. *50
N. PHOTO BACKGROUNDS.	Lafayette W. Seavey, Mott Haven, N. Y.
O. PHOTOGRAPH MOUNTS.	A. M. Collins Mfg. Co., 528 Arch St., Philadelphia, Pa.
	Philip Hake, 155 William St., New York.
	S. Trier & Son, 190 William St., New York.
P. PHOTOGRAPH PANELS.	Phenix Plate Co., Worcester, Mass.
Q. PHOTOGRAPHIC STUDIO ACCESSORIES.	C. A. Schindler, West Hoboken, N. J.
	L. W. Seavey, Mott Haven, N. Y.
R. POSITIVE FILMS.	M. A. Seed Dry Plate Co., 2005 Lucas Place, St. Louis, Mo.
S. PYRO DEVELOPER.	G. Cramer, Shenandoah & Buena Vista Sts., St. Louis, Mo.
T. RUBBER GOODS, PHOTOGRAPHIC.	Butler Hard Rubber Co., 33 Mercer St., New York.
	G. Gennert, 54 E. 10th St., New York.
	India Rubber Comb Co., 9 Mercer St., New York.
U. SENSITIZED PAPER.	Barker & Starbird, 56 Bromfield St., Boston, Mass.
	Bradfisch & Hopkins, 22 Division St., Brooklyn, N. Y.
	A. M. Brown, Rochester, N. Y.
	John Haworth, 641 Arch St., Philadelphia, Pa.
	Kalotype Co., 50 Bromfield St., Boston, Mass.
	Thos. H. McCollin & Co., 1030 Arch St., Philadelphia, Pa.
	Pollock, Riker & Co., 198 William St., New York.
	Willis & Clements, 39 S. 10th St., Philadelphia, Pa.
V. TONING SOLUTION.	Bradfish & Hopkins, 22 Division St., Brooklyn, N. Y.
W. TRAYS, PHOTOGRAPHERS'.	Crane Bros., Westfield, Mass. *74
X. TRANSFEROTYPE PAPER.	Eastman Company, Rochester, N. Y.
Y. VARNISH, PHOTOGRAPHIC.	Chas. Cooper & Co., 194 Worth St., New York.
2783. PICK EYES.	Findlay Rolling Mill Co., Findlay, O.
2784. PLATE IRON WORK.	Samuel Booth, 543 W. 35th St., New York.
	Phœnix Bridge Co., 410 Walnut St., Philadelphia, Pa.
	Wm. B. Pollock & Co., Youngstown, O.
	Whittier Machine Co., 1776 Tremont St., Boston, Mass.
2785. PLUMBAGO.	American Chemical Mfg. & Mining Co., Rochester, N. Y.
	Joseph Dixon Crucible Co., Jersey City, N. J.
	Ilsley, Doubleday & Co., 229 Front St., New York.
	McIlvaine Bros., N. 15th & Hamilton Sts., Philadelphia, Pa.
	S. Obermayer Fdy. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
	Jas. R. Palmenberg's Sons, 468 Broome St., New York.
	Pettit Chemical Co., 256 Front St., New York.
	H. A. Ross & Co., 1438 N. 6th St., Philadelphia, Pa.

2786. PLUMBERS' SUPPLIES.

E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Boston Brass Co., 36 Oliver St., Boston, Mass.
Bridgeport Brass Co., Bridgeport, Conn. *27
A. B. Brunell, Worcester, Mass.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
Jas. B. Clow & Son, Lake & Franklin Sts., Chicago, Ill.
Wm. S. Cooper Brass Works, 442 N. 13th St., Phila., Pa.
J. W. Fiske, 28 Park Place, New York.
Thomas Gibson Co., 273 Walnut St., Cincinnati, O.
Haines, Jones & Cadburg Co., 1136 Ridge Av., Phila., Pa.
Hoffman & Billings Mfg. Co., Milwaukee, Wis.
Janes & Kirtland, 242 Water St., New York.
John D. Johnson & Co., Hainesport, N. J.
Lorrain Mfg. Co., Cleveland, O.
McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
McNab & Harlin Mfg. Co., Paterson, N. J.
Mayor, Lane & Co., 119 Walker St., New York.
Meyer-Sniffen Co., Ltd., 46 Cliff St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.
Peck Bros. & Co., New Haven, Conn.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Wm. Powell Co., 50 Plum St., Cincinnati, O.
Raymond Lead Co., 51 W. Lake St., Chicago, Ill.
Sanitary Supply Co., Battle Creek, Mich.
Standard Mfg. Co., Pittsburgh, Pa. *49
Steel & Johnson, S. Main St., Waterbury, Conn.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vulcanized Fibre Co., Wilmington, Del.
Western Brass Mfg. Co., 615 Walnut St., St. Louis, Mo.
Williams & Marvin, Deep River, Conn.
L. Wolff Mfg. Co., 93 W. Lake St., Chicago, Ill.

A. BASINS.
Haydenville Mfg. Co., 73 Beekman St., New York.
Meyer-Sniffen Co., Ltd., 46 Cliff St., New York.

B. BASIN FITTINGS.
F. E. Cudell, 204 Superior St., Cleveland, O.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
Meyer-Sniffin Co., Ltd., 46 Cliff St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
Peck Bros. & Co., New Haven, Conn.
Standard Mfg. Co., Pittsburgh, Pa. *49

C. BATH SUPPLY FITTINGS.
Eaton, Cole & Burnham Co., 82 Fulton St., New York.
McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
Meyer-Sniffen Co., Ltd., 46 Cliff St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.
Peck Bros. & Co., New Haven, Conn.

D. BATHS, HIP.
McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.

E. BATHS, NEEDLE.
Mayor, Lane & Co., 119 Walker St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.

F. BATHS, RUSSIAN & TURKISH.
Mayor, Lane & Co., 119 Walker St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.

G. BATHS, SWIMMING.
J. L. Mott Iron Works, 90 Beekman St., New York.

H. BATH TUBS.
E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
Davidson & Sons, foot N. Market St., Chicago, Ill.
Day Mfg. Co., Detroit, Mich.
Highland Foundry Co., Boston Highlands, Mass.
E. J. Knowlton, Ann Arbor, Mich.
J. L. Mott Iron Works, 90 Beekman St., New York.
N. O. Nelson Mfg. Co., 8th & St. Charles Sts., St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Ronalds & Co., 54 Cliff St., New York.

I. BATH TUBS, COPPER.
Cahill, Collins & Co., 408 N. 4th St., St. Louis, Mo.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Peck Bros. & Co., New Haven, Conn.
Ronalds & Co., 54 Cliff St., New York.
Henry Steeger, 143 E. 31st St., New York.
John Trageser Steam Copper Works, 447 W. 26th St., New York.

J. BATH TUBS, ENAMELLED IRON.
J. L. Mott Iron Works, 90 Beekman St., New York.
Pike Mfg. Co., 69 Federal St., Boston, Mass.
Standard Mfg. Co., Pittsburgh, Pa. *49

K. BATH TUBS, INDURATED FIBRE.
Oswego Indurated Fibre Co., Oswego, N. Y.

L. BATH TUBS, IRON.
Cassidy & Adler, 533 W. 55th St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.

		Pike Mfg. Co., 69 Federal St., Boston, Mass.	
M.	BATH TUBS, LINENOID.	Crane Bros., Westfield, Mass.	*74
N.	BATH TUBS, PORCELAIN.	Thomas Gibson Co., 273 Walnut St., Cincinnati, O.	
		L. Wolff Mfg. Co., 93 W. Lake St., Chicago, Ill.	
O.	BATH TUB TRIMMINGS.	Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.	
		Pike Mfg. Co., 69 Federal St., Boston, Mass.	
P.	BIDET ATTACHMENTS.	Haydenville Mfg. Co., 73 Beekman St., New York.	
		McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.	
Q.	BRACKETS, PLUMBERS'.	Meriden Malleable Iron Co., Meriden, Conn.	
R.	BRASS FITTINGS, PLUMBERS'.	Eaton, Cole & Burnham Co., 82 Fulton St., New York.	
		Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.	
		Haydenville Mfg. Co., 73 Beekman St., New York.	
		J. H. McLain Machine Co., Canton, O.	*115
		Peck Bros. & Co., New Haven, Conn.	
		Portsmouth Machine Co., Portsmouth, N. H.	
		E. Stebbins Mfg. Co., Springfield, Mass.	
S.	CESSPOOLS.	Humphreys Mfg. Co., Mansfield, O.	
		Pike Mfg. Co., 69 Federal St., Boston, Mass.	
		Standard Mfg. Co., Pittsburgh, Pa.	*49
T.	CISTERN TANKS.	Eclipse Wind Engine Co., Beloit, Wis.	
		Heap's Patent Earth Closet Co., Muskegon, Mich.	
		Thos. Phillips & Co., Providence, R. I.	
		Standard Stave & Cooperage Co., 160 State St., Boston, Mass.	
U.	EARTHENWARE, PLUMBERS'.	Enterprise Pottery Co., Trenton, N. J.	
		Thos. Maddock & Sons, Trenton, N. J.	
V.	FLOAT VALVES.	Forest City Brass Works, Cleveland, O.	
		A. Y. McDonald Mfg. Co., Dubuque, Iowa.	
		U. S. Wind Engine & Pump Co., Batavia, Ill.	
		Wright & Berger, Cleveland, O.	
W.	LAUNDRY TUBS.	Adams Laundry Machine Co., Troy, N. Y.	
		E. G. Blakslee Mfg. Co., Sing Sing, N. Y.	
		Cleveland Mantel & Grate Co., Cleveland, O.	
		Haydenville Mfg. Co., 73 Beekman St., New York.	
		Jos. S. Miller & Bro., 1210 Ridge Av., Philadelphia, Pa.	
		Peck Bros. & Co., New Haven, Conn.	
		Standard Mfg. Co., Pittsburgh, Pa.	*49
		Troy Laundry Machine Co., Ltd., Troy, N. Y.	*168
X.	LAUNDRY TUBS, SLATE.	Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.	
		Penrhyn Slate Co., 101 E. 17th St., New York.	
		Thos. Phillips & Co., Providence, R. I.	
Y.	LAUNDRY TUBS, SOLID WHITE CROCKERY.	Stewart & Co., 540 W. 19th St., New York.	
Z.	LAUNDRY TUBS, STONEWARE.	Henry McShane & Co., Baltimore, Md.	
AA.	LAVATORIES, OPEN.	McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.	
		J. L. Mott Iron Works, 90 Beekman St., New York.	
		N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.	
		Peck Bros. & Co., New Haven, Conn.	
		Pike Mfg. Co., 69 Federal St., Boston, Mass.	
BB.	LAVATORY FITTINGS.	McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.	
		J. L. Mott Iron Works, 90 Beekman St., New York.	
		N. O. Nelson Mfg. Co.. 8th & Charles Sts., St. Louis, Mo.	
		Pike Mfg. Co., 69 Federal St., Boston, Mass.	
CC.	SEWER FLUSHERS.	Pike Mfg. Co., 69 Federal St., Boston, Mass.	
		Standard Mfg. Co., Pittsburgh, Pa.	*49
DD.	SHAMPOOS.	J. L. Mott Iron Works, 90 Beekman St., New York.	
EE.	SINKS, COPPER.	Thos. Phillips & Co., Providence, R. I.	
		Ronalds & Co., 54 Cliff St., New York.	
		Henry Steeger, 143 E. 31st St., New York.	
FF.	SINKS, ENAMELLED IRON.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.	
		Standard Mfg. Co., Pittsburgh, Pa.	*49
GG.	SINKS, IRON.	E. G. Blakslee Mfg. Co., Sing Sing, N. Y.	
		Cassidy & Adler, 533 W. 55th St., New York.	
		Cleveland Co-operative Stove Co., Cleveland, O.	
		Cutler & Proctor Stove Co., Peoria, Ill.	
		W. & B. Douglas, Middletown, Conn.	*162
		Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.	
		Goulds Mfg. Co., Seneca Falls, N. Y.	
		Haydenville Mfg. Co., 73 Beekman St., New York.	
		Highland Foundry Co., Boston Highlands, Mass.	
		Kilbourne & Jacobs Mfg. Co., Columbus, O.	
		Magee Furnace Co., 30 Union St., Boston, Mass.	
		Moline Pump Co., Moline, Ill.	
		Pike Mfg. Co., 69 Federal St., Boston, Mass.	
		Pittsburgh Rustless Iron Works, Pittsburgh, Pa.	
		Pittston Stove Co., Pittston, Pa.	

	Rumsey & Co., Ltd., 107 Liberty St., New York.
	John Savory's Son & Co., 97 Beekman St., New York.
	Silver Mfg. Co., Salem, O. *205
	E. C. Stearns & Co., Syracuse, N. Y.
	Henry Steeger, 143 E. 31st St., New York.
HH. SINKS, SLATE.	Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
II. SINKS, SOAPSTONE.	Union Soapstone Co., Burlington, Vt.
JJ. SINKS, STEEL.	Gleason & Bailey Mfg. Co., Seneca Falls, N. Y.
	Kilbourne & Jacobs Mfg. Co., Columbus, O.
KK. SLABS, PLUMBERS'.	Burlington Mfg. Co., Burlington. Vt.
	Davidson & Sons, ft. N. Market St., Chicago, Ill.
LL. SLOP HOPPERS.	Humphryes Mfg. Co., Mansfield, O.
	McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
	Standard Mfg. Co., Pittsburgh, Pa. *49
	E. C. Stearns & Co., Syracuse, N. Y.
	Taylor & Boggis Foundry Co., Cleveland, O.
MM. TRAPS, SEWER GAS.	Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
	B. P. Bowers & Co., Cleveland, O.
	Stephen Buhrer, Cleveland, O.
	Henry W. Clapp & Co., Concord, N. H.
	F. E. Cudell, 204 Superior St., Cleveland, O.
	DuBois Mfg. Co., 245 9th Av., New York.
	Goulds Mfg. Co., Seneca Falls, N. Y.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	Humphryes Mfg. Co., Mansfield, O.
	Thos. Phillips & Co., Providence, R. I.
	Rumsey & Co., Ltd., 107 Liberty St., New York.
	Selby Smltg. & Lead Co., 416 Montgomery St., San Francisco, Cal.
	Standard Mfg. Co., Pittsburgh, Pa. *49
NN. URINALS.	E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
	J. W. Fiske, 28 Park Place, New York.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	Hazard Slate Co., Fair Haven, Vt.
	Standard Mfg. Co., Pittsburgh, Pa. *49
	L. Wolff Mfg. Co., 93 W. Lake St., Chicago, Ill.
OO. WATER CLOSETS.	Bailey, Farrell & Co., Pittsburgh, Pa.
	E. G. Blakslee Mfg. Co., Sing Sing, N. Y.
	C. A. Blessing, 516 Montgomery St., Philadelphia, Pa.
	Cassidy & Adler, 533 W. 55th St., New York.
	Colwell Lead Co., 63 Centre St., New York.
	Dalton, Ingersoll Co., 169 High St., Boston, Mass.
	Thomas Gibson Co., 273 Walnut St., Cincinnati, O.
	Haines, Jones & Cadbury Co., 1136 Ridge St., Philadelphia, Pa.
	Haydenville Mfg. Co., 73 Beekman St., New York.
	Henry Huber & Co., 81 Beekman St., New York.
	Lamb & Ritchie, Cambridgeport. Mass.
	McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
	Thos. Maddock & Sons. Trenton, N. J.
	Mayor, Lane & Co., 119 Walker St., New York.
	J. L. Mott Iron Works, 90 Beekman St., New York.
	N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.
	Peck Bros. & Co., New Haven, Conn.
	A. W. Stevens & Son, Auburn, N. Y.
	L. Wolff Mfg. Co., 93 W. Lake St., Chicago, Ill.
	J. Zane & Co., 81 Sudbury St., Boston, Mass.
PP. WATER CLOSETS, SHIP.	Peck Bros. & Co., New Haven, Conn.
	Alfred B. Sands & Son, 134 Beekman St., New York. *118
QQ. WATER CLOSETS, YACHT.	Alfred B. Sands & Son, 134 Beekman St., New York. *118
RR. WATER CLOSET HOPPERS.	Haydenville Mfg. Co., 73 Beekman St., New York.
	McCambridge & Co., Ltd., 525 Cherry St., Philadelphia, Pa.
	Standard Mfg. Co., Pittsburgh, Pa. *49
	Henry Steeger, 143 E. 31st St., New York.
	Louis Waefelaer, 54 Beekman St., New York.
SS. WATER CLOSET SEATS, COMPLETE.	Bradley & Currier Co., Ltd., Hudson & Spring Sts., New York.
	Heap's Patent Earth Closet Co., Muskegon, Mich.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	N. O. Nelson Mfg. Co., 8th & Charles Sts., St. Louis, Mo.
TT. WATER CLOSET TANKS.	Cassidy & Adler, 533 W. 55th St., New York.
	Haines, Jones & Cadbury Co., 1136 Ridge St., Philadelphia, Pa.
	Haydensville Mfg. Co., 73 Beekman St., New York.
	Humphryes Mfg. Co., Mansfield, O.
	A. Y. McDonald Mfg. Co., Dubuque, Iowa.
	Mayor, Lane & Co., 119 Walker St., New York
	Peck Bros. & Co., New Haven, Conn.
	Ronald & Co., 54 Cliff St., New York.

Standard Mfg. Co., Pittsburgh, Pa. *49

UU. WATER CLOSET VALVES. Haydenville Mfg. Co., 73 Beekman St., New York.
Peck Bros. & Co., New Haven, Conn.

2787. POCKET BOOK FRAMES.
John Menahan & Co., 46 Park St., New York.

2788. POTTER'S STILTS & PINS.
Burgess & Co., East Liverpool, O.
Dowd & Bro., Trenton, N. J.

2789. POWDER PAPERS, DRUGGISTS'.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
N. V. Randolph & Co., Richmond, Va.

2790. PRESSED HERBS, ROOTS & BARKS.
Walter Adams & Co., 105 William St., New York.
Huber & Fuhrman Drug Mills, Fond Du Lac, Wis.
Parke, Davis & Co., Detroit, Mich.
Read Drug Co., Ltd., 217 Race St., Philadelphia, Pa.
Sharp & Dohme, Baltimore, Md.
Wells & Richardson Co., Burlington, Vt.

A. POWDERED HERBS. Woolson Spice Co., Toledo, O.

2791. PRESS SCREWS.
Ainslie, Cochran & Co., Louisville, Ky.
W. F. & John Barnes Co., Rockford, Ill.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Rumsey & Co., Ltd., 107 Liberty St., New York.

2792. PRINTERS' MATERIALS & SUPPLIES.

A. BRASS LEADS.
Farmer, Little & Co., 65 Beekman St., New York.
Lindsay Type Foundry, 75 Fulton St., New York.
MacKellar, Smiths & Jordan, 612 Sansom St., Philadelphia, Pa.
H. H. Thorp Mfg. Co., Cleveland, O.
F. Wesel Mfg. Co., 11 Spruce St., New York.

B. BRASS RULES.
Farmer, Little & Co., 65 Beekman St., New York.
H. C. Hansen, 24 Hawley St., Boston, Mass.
J. Heinemann & Co., 52 Madison St., Chicago, Ill.
Lindsay Type Foundry, 75 Fulton St., New York.
MacKellar, Smiths & Jordan, 612 Sansom St., Philadelphia, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
John Ryan Co., Baltimore, Md.
St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
H. H. Thorp Mfg. Co., Cleveland, O.
Heber Wells, 8 Spruce St., New York.
F. Wesel Mfg. Co., 11 Spruce St., New York.

C. COMPOSING RULES.
Gage Tool Co., Vineland, N. J.
H. H. Thorp Mfg. Co., Cleveland, O.
Walker & Bresnan, 205 William St., New York.
Heber Wells, 8 Spruce St., New York.
F. Wesel Mfg. Co., 11 Spruce St., New York.

D. ELECTROTYPES.
Wm. Denyse & Sons, 13 Frankfort St., New York.
Farmer, Little & Co., 65 Beekman St., New York.
MacKellar, Smiths & Jordan, 612 Sansom St., Philadelphia, Pa.
Moss Engravings Co., 535 Pearl St., New York.
F. A. Ringler Co., 21 Barclay St., New York. *255
St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
Herman Schedler, 96 Church St., New York.

E. GOLD SIZE.
Geo. Mather's Sons, 60 John St., New York.
Geo. H. Morrill & Co., 149 Congress St., Boston, Mass.
H. D. Wade & Co., 28 Reade St., New York.
Sam'l. P. Wright & Co., Camden, N. J.

F. IMPOSING STONES.
Hamilton Mfg. Co., Two Rivers, Wis.
Morgans & Wilcox Mfg. Co., Middletown, N. Y.
H. H. Thorp Mfg. Co., Cleveland, O.
F. Wesel Mfg. Co., 11 Spruce St., New York.

G. IMPOSING TABLES.
R. Hoe & Co., 504 Grand St., New York.
Morgans & Wilcox Mfg. Co., Middletown, N. Y.
H. H. Thorp Mfg. Co., Cleveland, O.
Walker & Bresnan, 205 William St., New York.
Heber Wells, 8 Spruce St., New York.
F. Wesel Mfg. Co., 11 Spruce St., New York.

H. INK STONES.
Morgans & Wilcox Mfg. Co., Middletown, N. Y.
H. H. Thorp Mfg. Co., Cleveland, O.
F. Wesel Mfg. Co., 11 Spruce St., New York.

I. INKOLEUM. Electrine Mfg. Co., St. Paul, Minn.

J. LUMINOUS POWDERS. George Krementz, 182 Broadway, New York.

K. PLATE HOLDERS. M. J. Hughes, 18 Spruce St., New York.

L. PRINTERS' CABINETS.
Golding & Co., 177 Fort Hill Square, Boston, Mass.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hamilton Mfg. Co., Two Rivers, Wis.

	Hartman & Durstine, Wooster, O.
	R. Hoe & Co., 504 Grand St., New York.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	H. H. Thorp Mfg. Co., Cleveland, O.
	Walker & Bresnan, 205 William St., New York.
	Heber Wells, 8 Spruce St., New York.
M. PRINTERS' CASES.	Golding & Co., 177 Fort Hill Square, Boston, Mass.
	Hamilton Mfg. Co., Two Rivers, Wis.
	R. Hoe & Co., 504 Grand St., New York.
	MacKellar, Smiths & Jordan, 612 Sansom St., Philadelphia, Pa.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	H. H. Thorp Mfg. Co., Cleveland, O.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
N. PRINTERS' CEMENT.	Golding & Co., 177 Fort Hill Square, Boston, Mass.
O. PRINTERS' DETERGENT.	C. J. Patch & Co., 280 State St., Boston, Mass.
P. PRINTERS' FELT BLANKETS.	Tingue, House & Co., 56 Reade St., New York. *28
Q. PRINTERS' FURNITURE.	Farmer, Little & Co., 65 Beekman St., New York.
	Golding & Co., 177 Fort Hill Square, Boston, Mass.
	Hamilton Mfg. Co., Two Rivers, Wis.
	R. Hoe & Co., 504 Grand St., New York.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Wm. H. Page Wood Type Co., Norwich, Conn.
	Walker & Bresnan, 205 William St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
R. PRINTERS' LEADS.	J. Heinemann, 52 Madison St., Chicago, Ill.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	H. H. Thorp Mfg. Co., Cleveland, O.
	Walker & Bresnan, 205 William St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
S. PRINTERS' METAL FURNITURE.	Farmer, Little & Co., 65 Beekman St., New York.
	H. C. Hansen, 24 Hawley St., Boston, Mass.
	J. Heinemann, 52 Madison St., Chicago, Ill.
	Palmer & Rey, San Francisco, Cal.
T. PRINTERS' NOVELTIES.	Manhattan Type Foundry, 198 William St., New York.
U. PRINTERS' RACKS.	Farmer, Little & Co., 65 Beekman St., New York.
	Hamilton Mfg. Co., Two Rivers, Wis.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	S. Simons & Co., 13 N. Elizabeth St., Chicago, Ill.
	Walker & Bresnan, 205 William St., New York.
	Heber Wells, 8 Spruce St., New York.
V. PRINTERS' REDUCER.	Golding & Co., 177 Fort Hill Square, Boston, Mass.
W. PRINTERS' ROLLERS.	Bendernagle & Co., 521 Minor St., Philadelphia, Pa.
	C. H. Birchard, 632 Filbert St., Philadelphia, Pa.
	MacKellar, Smiths & Jordan, 612 Sansom St., Philadelphia, Pa.
	New Bedford Copper Co., New Bedford, Mass.
	Jos. H. Osgood & Co., 100 Milk St., Boston, Mass.
	Wm. H. Ranney, Detroit, Mich.
	D. J. Reilley & Co., 324 Pearl St., New York.
	E. J. Shattuck & Co., San Francisco, Cal.
	Wild & Stevens, 148 Congress St., Boston, Mass.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
X. PRINTERS' VARNISHES.	Ault & Wiborg Co., foot New St., Cincinnati, O.
	John G. Lightbody & Co., 24 Beekman St., New York.
	Geo. Mather's Sons, 60 John St., New York.
	Geo. H. Morrill & Co., 146 Congress St., Boston, Mass.
	C. E. Robinson & Bro., 710 Sansom St., Philadelphia, Pa.
	H. D. Wade & Co., 28 Reade St., New York.
Y. PRINTING INKS.	Ault & Wiborg Co., 7th & Culvert Sts., Cincinnati, O.
	Herman Behr & Co., 75 Beekman St., New York.
	J. H. Bonnell & Co., Ltd., 154 Nassau St., New York.
	Buffalo Printing Ink Works, Buffalo, N. Y.
	Chas. E. Johnson & Co., 509 S. 10th St., Philadelphia, Pa.
	G. B. Kane & Co , 137 Wabash Av., Chicago, Ill.
	F. H. Levey & Co., 59 Beekman St., New York.
	John G. Lightbody & Co., 24 Beekman St., New York.
	Geo. Mather's Sons, 60 John St., New York.
	Geo. H. Morrill & Co., 146 Congress St., Boston, Mass.
	Queen City Printing Ink Co., South n. Evans St., Cincinnati, O.
	C. E. Robinson & Bros., 710 Sansom St., Philadelphia, Pa.
	E. J. Shattuck & Co., San Francisco, Cal.
	B. Thalmann, 210 Olive St., St. Louis, Mo.
	H. D. Wade & Co., 28 Reade St., New York.

	W. D. Wilson Printing Ink Co., Ltd., 96 Fulton St., New York.
Z. PRINTING INKS, COPYABLE.	Buffalo Printing Ink Works, Buffalo, N. Y.
	John Underwood & Co., 30 Vesey St., New York.
	H. D. Wade & Co., 28 Reade St., New York.
AA. QUOINS.	Globe Mfg. Co., 44 Beekman St., New York.
	H. C. Hansen, 24 Hawley St., Boston, Mass.
	Hemple & Dingens, Buffalo, N. Y.
	Moore & Warren, 57 John St., New York.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Wm. H. Page Wood Type Co., Norwich, Conn.
	S. Simons & Co., 13 N. Elizabeth St., Chicago, Ill.
	Walker & Bresnan, 205 William St., New York.
	Heber Wells, 8 Spruce St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
BB. REGLET.	H. C. Hansen, 24 Hawley St., Boston, Mass.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Wm. H. Page Wood Type Co., Norwich, Conn.
	Walker & Bresnan, 205 William St., New York.
	Heber Wells, 8 Spruce St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
CC. ROLLER COMPOSITION.	Godfrey & Co., 325 Walnut St., Philadelphia, Pa.
	J. H. Osgood & Co., 100 Milk St., Boston, Mass.
	Van Bibber Roller Co., 6th & Vine Sts., Cincinnati, O.
	Wild & Stevens, 148 Congress St., Boston, Mass.
DD. ROLLER FRAMES.	Hamilton Mfg. Co., Two Rivers, Wis.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
EE. RUBBER BLANKETS, PRINTERS'.	American Rubber Co., Cambridgeport, Mass.
	Boston Belting Co., 256 Devonshire St., Boston, Mass.
	Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
	Revere Rubber Co., 63 Franklin St., Boston, Mass.
FF. STEREOTYPE BLOCKS.	Farmer, Little & Co., 65 Beekman St., New York.
	R. Hoe & Co., 504 Grand St., New York.
	M. J. Hughes, 18 Spruce St., New York.
	Lindsay Type Foundry, 75 Fulton St., New York.
	MacKellar, Smiths & Jordan Co., 612 Sansom St., Phila., Pa.
	Morgans & Wilcox Mfg. Co., Middletown, N. Y.
	Van Allens & Boughton, 59 Ann St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
GG. TABLET GLUE.	Van Bibber Roller Co., 6th & Vine Sts., Cincinnati, O.
HH. TABLET OR PAD PRESSES.	Mather Mfg. Co., 736 Sansom St., Philadelphia, Pa.
II. TYPE.	Allison & Smith, 168 Vine St., Cincinnati, O.
	Barnhart Bros. & Spindler, 113 5th Av., Chicago, Ill.
	Boston Type Foundry, 104 Milk St., Boston, Mass.
	Geo. Bruce's Son & Co., 13 Chambers St., New York.
	Central Type Foundry, 200 S. 4th St., St. Louis, Mo.
	Cincinnati Type Foundry, 201 Vine St., Cincinnati, O.
	Empire State Type Foundry, 15 Frankfort St., New York.
	Farmer, Little & Co., 65 Beekman St., New York.
	Golding & Co., 177 Fort Hill Square, Boston, Mass.
	Hooper, Wilson & Co., Baltimore, Md.
	Lindsay Type Foundry, 75 Fulton St., New York.
	Marder, Luse & Co., 139 Monroe St., Chicago, Ill.
	MacKellar, Smiths & Jordan, 612 Sansom St., Philadelphia, Pa.
	Palmer & Rey, San Francisco, Cal.
	Phelps, Dalton & Co., 150 Congress St., Boston, Mass.
	John Ryan Co., Baltimore, Md.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	H. H. Thorp Mfg. Co., Cleveland, O.
	Union Type Foundry, 337 Dearborn St., Chicago, Ill.
JJ. TYPE CASES.	Hamilton Mfg. Co., Two Rivers, Wis.
	Liberty Machine Works, 54 Frankfort St., New York.
	St. Louis Type Foundry, 3d & Vine Sts., St. Louis, Mo.
	H. H. Thorp Mfg. Co., Cleveland, O.
	Heber Wells, 8 Spruce St., New York.
	F. Wesel Mfg. Co., 11 Spruce St., New York.
KK. WOOD TYPE.	American Wood Type Co., S. Windham, Conn.
	Hamilton Mfg. Co., Two Rivers, Wis.
	Wm. H. Page Wood Type Co., Norwich, Conn.
	Heber Wells, 8 Spruce St., New York.
LL. WOOLEN BLANKETS, PRINTERS.	American Multiple Fabric Co., Olneville, R. I.
	Joseph Noone's Sons, Peterboro', N. H.
2793. PROPELLER WHEELS.	Albany Steam Engine & Boiler Works, Albany, N. Y.
	Chester Steel Castings Co., 407 Library St., Philadelphia, Pa.
	Delamater Iron Works, 21 Cortlandt St., New York.
	Delaware River I. S. B. & Engine Works, Chester, Pa.

Frontier Iron & Brass Works, Detroit, Mich.
S. F. Hodge & Co., Detroit, Mich.
Lane & Bodley Co., John & Water Sts., Cincinnati, O.
Morris Machine Works, Baldwinsville, N. Y.
Phenix Iron Foundry, Providence, R. I.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Skinner & Arnold, Albany, N. Y.
Geo. W. Tifft, Sons & Co., Buffalo, N. Y.
H. G. Trout & Co., Buffalo, N. Y.
Chas. P. Willard & Co., 236 Randolph St., Chicago, Ill.
Union Iron Works, San Francisco, Cal.

A. BRONZE PROPELLER WHEELS. Herreshoff Mfg. Co., Bristol, R. I.

2794. PULLEY FILLING. Trenton Rubber Co., Trenton, N. J.

2795. PULLEY LAGGING. Boston Woven Hose Co., Cambridgeport, Mass.
Brown Bros. & Co., Providence, R. I.

2796. PUMICE STONE. Herman, Behr & Co., 75 Beekman St., New York.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

A. PULVERIZED PUMICE. Modoc Tripoli Mining Co., 74 Johnston Bldgs., Cincinnati, O.

2797. PURSE FRAMES. B. Goodman Mfg. Co., Bridgeport, Conn.

2798. PUSH BUTTON SHELLS.
Union Hardware Co., Torrington, Conn.

2799. QUARTZ, GROUND. Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.

2800. RADIATOR TRIMMINGS.
Nason Mfg. Co., 71 Beekman St., New York.

A. RADIATOR MARBLE TOPS. Davidson & Sons, foot of N. Market St., Chicago, Ill.
A. A. Griffing Iron Co., Jersey City, N. J.
Sherman & Flavin, 2511 State St., Chicago, Ill.
H. B. Smith Mfg. Co., Westfield, Mass. *55

2801. RAWHIDE GOODS. Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
Wm. Coupe & Co., S. Attleboro', Mass.
A. & C. W. Holbrook, Providence, R. I.
New Process Rawhide Co., Syracuse, N. Y.

2802. RENNET, LIQUID. Henry C. Blair's Sons, 800 Walnut St., Philadelphia, Pa.
Brunswick Mfg. Co., 210 N. 2d St., Philadelphia, Pa.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Hamell & Cortright, 25 S. Front St., Philadelphia, Pa.

2803. ROBE LININGS. Sanford Mills, Sanford, Me.

2804. ROLL TOP COVERS. John Bridge & Co., Chester, Pa.
W. O. Howland, Chester, Pa.

2805. ROTTEN STONE. Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

2806. ROUGE. Chas. Cooper & Co., 194 Worth St., New York.
Hanson, Van Winkle & Co., Newark, N. J.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

2807. RUBBER COVERED ROLLS.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
Erie Rubber Co., Erie, Pa.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
Revere Rubber Co., 62 Franklin St., Boston, Mass.

2808. RUBBER STAMP MAKERS' SUPPLIES.
Wm. A. Force & Co., 60 Beekman St., New York.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
New York Stencil Works, 100 Nassau St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

A. HAND STAMP RUBBER. Eugene Doherty, N. 8th St. & Wythe Av., Brooklyn, N. Y.
India Rubber Comb Co., 9 Mercer St., New York.
R. H. Smith Mfg. Co., Springfield, Mass. *85

2809. SADDLERS' HAIR. Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.

2810. SALT. Bryan Bros., Water & Delta Sts., New Orleans, La.
Coal Ridge Salt Co., Pomeroy, O.
Crystal Salt Works, Hutchinson, Kan.
Duncan Salt Co., Silver Springs, N. Y.
Eddy, Avery & Eddy, Bay City, Mich.
Foster Ely, Syracuse, N. Y.
Empire Dairy Salt Co., Warsaw, N. Y.
C. Franchot & Co., Syracuse, N. Y.
Hoyt H. Freeman, Syracuse, N. Y.
James M. Gere, Syracuse, N. Y.
Graham & Courtney, Allegheny, Pa.
Green, Ring & Co., Saginaw, Mich.
Haller, Beck & Co., Pittsburgh, Pa.
Hartford City Salt Co., Hartford City, W. Va.
Hutchinson Salt & Mfg. Co., Hutchinson, Kan.

John J. Juhler, Pomeroy, O.
Kansas Salt Co., Hutchinson, Kan.
Linton Mfg. Co., E. Saginaw, Mich.
H. M. Loud & Sons Lumber Co., Oscoda, Mich.
McEwan Bros. & Co., Bay City, Mich.
Wm. B. Mershon & Co., E. Saginaw, Mich.
Murphy & Dorr, Bay City, Mich.
Nevada Salt & Borax Co , San Francisco, Cal.
Pitts & Cranage, Bay City, Mich.
Plummer Bros., Newark, Cal.
Rust, Eaton & Co., Saginaw, Mich.
Saginaw Mfg. Co., Saginaw, Mich.
Sample & Camp, Saginaw, Mich.
Solvay Process Co., Syracuse, N. Y.
T. J. Stewart & Co., Bangor, Me. *64
W. C. & J. M. Taylor, Pittsburgh, Pa.
Warsaw Salt Co., Warsaw, N. Y.
John White & Co., Syracuse, N. Y.
Wylie Bros., Saginaw, Mich.

A. COARSE SALT.
Cape Cod Coarse Salt Co., Syracuse, N. Y.
Geddes Coarse Salt Co., Syracuse, N. Y.
Salina Coarse & Fine Salt Co., Syracuse, N. Y.

B. DAIRY SALT.
Butters & Peters Salt & Lumber Co., Ludington, Mich.
Huron Dairy Salt Co., Sand Beach, Mich.

C. ROCK SALT.
Retsof Mining Co., 146 Broadway, New York.

2811. SALT & PEPPER BOX TOPS.
Wilbur B. Hall, Meriden, Conn.

2812. SANITARY GOODS.
Henry Huber & Co., 81 Beekman St., New York.
J. L. Mott Iron Works, 90 Beekman St., New York.
Peck Bros. & Co., New Haven, Conn.
John Savery's Son & Co., 97 Beekman St., New York.
L. Wolff Mfg. Co., 93 W. Lake St., Chicago, Ill.

A. EARTH CLOSETS.
Heap's Patent Earth Closet Co., Muskegon, Mich.

B. FACTORY SANITARY CLOSETS.
Brown & Sharpe Mfg. Co., Providence, R. I.

C. SANITARY SERVIETTES.
Allen Fan Co., E. Braintree, Mass.

2813. SAUSAGE CASINGS.
Bechstein & Co., Union Stock Yards, Chicago, Ill.
Cudahy Packing Co., S. Omaha, Neb.
S. Oppenheimer & Co., 96 Pearl St., New York.
W. H. Rometsch, 2038 E. York St., Philadelphia, Pa.
W. H. Schurch, 215 Race St., Philadelphia, Pa.
T. M. Sinclair, Cedar Rapids, Iowa.

2814. SAW MILL SUPPLIES.
George R. Lombard & Co., Augusta, Ga.
D. J. Murray Mfg. Co., Wausau, Wis.

2815. SCREEN FRAME CORNERS.
E. N. Porter & Co., Burlington, Vt.
Queen Anne Screen Co., Burlington, Vt.

2816. SCROLL SAW DESIGNS.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
H. S. Wild, 63 Fulton St., New York.

2817. SEAMLESS COPPER SHELLS.
Brown & Bros. Tubing & Boiler Works, Waterbury, Conn.
Thos. Phillips & Co., Providence, R. I.

2818. SEAMLESS STEEL BOXES, PANS & TROUGHS.
Avery Stamping Co., Cleveland, O.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

2819. SEGGARS.
Trenton Terra Cotta Co., Trenton, N. J.

2820. SEWING MACHINE SUPPLIES.

A. MACHINE NEEDLES.
C. B. Barker & Co., 65 E. 9th St., New York.
P. M. Beers, Bridgeport, Conn.
Brooklyn Needle Works, 21 Furman St., Brooklyn, N. Y.
Excelsior Needle Co., Torrington, Conn.
Franklin Needle Co., Franklin, N. H.
Frank P. Green, 39 Broad St., New York.
Jeralds & Lawton, Cheshire, Conn.
E. & J. W. Lathrop, Worcester, Mass.
National Needle Co., Springfield, Mass.
Paragon Needle Co., 594 Washington St., Boston, Mass.
Singer Mfg. Co., 385 Broadway, New York. *214
A. H. Smith & Co., New Haven, Conn.
E. Strain & Co., Melrose Highlands, Mass.
Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
Whitten & Lascell, Lynn, Mass.
Willcox & Gibbs Sew. Mach. Co., 658 Broadway, New York.

B. MACHINE NEEDLES, WAX THREAD.
Eben Brown, Milford, Mass.
C. G. Foster, Lynn, Mass.
Lilly & Co., Milford, Mass.
Osmus Philips, Lynn, Mass.
H. E. Wooding Machine Needles, Hamden, Conn.

C. PLAITING BOARDS.
Sewing Machine Supplies Co., 105 Summer St., Boston, Mass.

D. SEWING MACHINE BANDS.
Underwood Mfg. Co., Tolland, Conn. *53

E. SEWING MACHINE BOBBINS.
Billings & Spencer Co., Hartford, Conn. *103
Domestic Sewing Machine Co., Newark, N. J.
Hartford Machine Screw Co., Hartford, Conn.
Household Sewing Machine Co., Providence, R. I.
Kruse & Murphy, 457 W. 26th St., New York.
New Home Sewing Machine Co., Orange, Mass.
Remington Arms Co., Ilion, N. Y.
Singer Mfg. Co., 385 Broadway, New York. *214
Standard Sewing Machine Co., Cleveland, O.
Wheeler & Wilson Mfg. Co., Bridgeport, Conn.
White Sewing Machine Co., Cleveland, O.

F. SEWING MACHINE CABINETS.
Household Sewing Machine Co., Providence, R. I.
Singer Mfg. Co., 385 Broadway, New York. *214

G. SEWING MACHINE CASTINGS.
G. T. Williamson, Grand Crossing, Ill.

H. SEWING MACHINE SHUTTLES.
Billings & Spencer Co., Hartford, Conn. *103
Domestic Sewing Machine Co., Newark, N. J.
Household Sewing Machine Co., Providence, R. I.
Kruse & Murphy, 457 W. 26th St., New York.
New Home Sewing Machine Co., Orange, Mass.
Singer Mfg. Co., 385 Broadway, New York. *214
Standard Sewing Machine Co., Cleveland, O.

I. SEWING MACHINE STANDS.
Samuel C. Tatum Co., John & Water Sts., Cincinnati, O.

J. SEWING MACHINE WOODWORK.
C. G. Akam Mfg. Co., 22 Adams St., Chicago, Ill.

2821. SHEAR BLADES.
S. C. Ryerson & Co., Boston Highlands, Mass.
L. & I. J. White, Buffalo, N. Y.

2822. SHEET IRON WORK.
Abendroth & Root Mfg. Co., 28 Cliff St., New York.
Samuel Booth, 543 W. 35th St., New York.
Brownell & Co., Dayton, O.
Heipershausen Bros., 43 Tompkins St., New York.
Litchfield Car & Machine Co., Litchfield, O.
Wm. B. Pollock & Co., Youngstown, O.
G. L. Stuebner & Co., Long Island City, N. Y.
A. J. Sweeney & Son, Wheeling, W. Va. *61

2823. SHODDY.
Jos. M. Adams, Manayunk, Philadelphia, Pa.
Jas. Bowers' Sons, Chester, Pa.
C. C. Capron, Uxbridge, Mass.
Carter & Rogers, Lebanon, N. H.
Connor Bros., Holyoke, Mass.
W. S. & F. Cordingley, Newton Lower Falls, Mass.
Granite State Shoddy Co., Claremont, N. H.
Wm. Hall & Co., Fernwood, Pa.
Harvard Mills Co., Watertown, Mass.
Benj. Hey & Co., 32 Broadway, Cincinnati, O.
Wm. Johnston, 15 Letitia St., Philadelphia, Pa.
Kern, Barr & Co., Winchester, Va.
Jas. J. Regan, Rockville, Conn.
C. R. Simister, Canal near Washington St., Philadelphia, Pa.
Smith & Cooley, Stafford Springs, Conn.
Richard T. Sullivan, Newton Lower Falls, Mass.
Troy Waste Mfg. Co., Cohoes, N. Y.

2824. SHOT PLATES.
Robt. Aitchison Perf. Metal Co., 76 E. Van Buren St., Chicago, Ill.

2825. SPEAKING TUBES.
E. L. Bray, 122 Eliot St., Boston, Mass.
E. S. Greeley & Co., 7 Dey St., New York.
Lamb & Ritchie, Cambridgeport, Mass.
Midland Electric Co., Omaha, Neb.
W. R. Ostrander & Co., 195 Fulton St., New York.
J. F. Wollensak, 225 Lake St., Chicago, Ill.

2826. SPOOL STOCK.
M. Currier & Son, Abbot, Me.
Russell Bros., Estes & Co., Farmington, Me.
H. B. Smith & Co., Hanover, Me.
T. J. Stewart & Co., Bangor, Me. *64

2827. SPOON & FORK BLANKS.
Rogers & Hamilton Co., Waterbury, Conn. *26

2828. SPRINGS.
G. W. Bent & Co., 10 Charlestown St., Boston, Mass.
Briner Bros., 54 Rutgers St., New York.
Chicago Wire & Spring Co., 307 Nthern. Office Bldg., Chicago, Ill.
Cleveland Spring Co., Cleveland, O.

Dunbar Bros., Bristol, Conn.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Morgan Spring Co., Worcester, Mass.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
Sabin Machine Co., Montpelier, Vt.
R. H. Wolff & Co., 560 E. 118th St., New York.

A. BED SPRINGS.
Campbell & Co., Chattanooga, Tenn.
Foster Bros., Utica, N. Y.
Fowler Mfg. Co., Ltd., 550 W. 23d St., New York.
Smith & Davis Mfg. Co., Lucas & 23d Sts., St. Louis, Mo.
R. H. Wolff & Co., 560 E. 118th St., New York.

B. FURNITURE SPRINGS.
Wallace Barnes, Bristol, Conn.
Cary & Moen Co., 234 W. 29th St., New York.
Chicago Wire & Spring Co., 307 Nthern. Office Bldg., Chicago, Ill.
Cleveland Wire Spring Co., Cleveland, O.
Foster Bros., Utica, N. Y.
Morgan Spring Co., Worcester, Mass.
Peter Schneider's Sons & Co., 185 Canal St., New York.
R. H. Wolff & Co., 560 E. 118th St., New York.

C. GOVERNOR SPRINGS.
Dunbar Bros., Bristol, Conn.

D. MACHINERY SPRINGS.
Wallace Barnes, Bristol, Conn.
Morgan Spring Co., Worcester, Mass.
Sabin Mfg. Co., Montpelier, Vt.

E. SNAP SPRINGS.
Clark & Cowles, Plainville, Conn.
Dunbar Bros., Bristol, Conn.

F. SPIRAL SPRINGS.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, 89 Cliff St., New York.
Chicago Wire & Spring Co., 307 Nthern. Office Bldg., Chicago, Ill.
Dunbar Bros., Bristol, Conn.
F. A. Richardson (Estate of), Troy, N. Y.

G. STEEL SPRINGS.
Wallace Barnes, Bristol, Conn.
Cary & Moen Co., 234 W. 29th St., New York.
Chicago Wire & Spring Co., 307 Nthern. Office Bldg., Chicago, Ill.
Dunbar Bros., Bristol, Conn.
Miller, Metcalf & Parkin, Pittsburgh, Pa.
Morgan Spring Co., Worcester, Mass.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
Tuthill Spring Co., Hammond, Ind.

H. SWEAT PAD SPRINGS.
Dunbar Bros., Bristol, Conn.

I. TEMPERED SPRINGS.
Wallace Barnes, Bristol, Conn.
Dunbar Bros., Bristol, Conn.
A. French Spring Co., Ltd., Pittsburgh, Pa.
Morgan Spring Co., Worcester, Mass.
Tuck Mfg. Co., Brockton, Mass.

J. TILTING CHAIR SPRINGS.
Rocker Spring Co., 208 Lake St., Chicago, Ill.

K. TRUSS SPRINGS.
Wallace Barnes, Bristol, Conn.
R. H. Wolff & Co., 560 E. 118th St., New York.

2829. STEAMSHIP CONDENSERS.
Thos. Phillips & Co., Providence, R. I.

2830. STEEL BALLS FOR BEARINGS.
Niagara Machine Co., Buffalo, N. Y.
Simonds Rolling Machine Co., Fitchburg, Mass.

2831. SUSPENDER TRIMMINGS.
Jos. Adamson & Co., 1652 Germantown Av., Philadelphia, Pa.
American Buckle & Cartridge Co., W. Haven, Conn.
Chelsea Mfg. Co., Chelsea, Mass.
West Haven Buckle Co., W. Haven, Conn.

2832. TAGS, MERCHANDISE.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.

2833. TALC.
Adirondack Pulp Co., Gouverneur, N. Y.
Agalite Fibre Co., Gouverneur, N. Y.
Notla Consolidated Marble, Iron & Talc Co., Kinsey, N. C.

2834. TANKS.
Bartlett, Hayward & Co., Baltimore, Md.
Samuel Booth, 543 W. 35th St., New York.
Brooks Locomotive Works, Dunkirk, N. Y.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
J. I. Case Threshing Machine Co., Racine, Wis.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
Andrew J. Corcoran, 76 John St., New York.
Eclipse Wind Engine Co., Beloit, Wis.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Heipershausen Bros., 43 Tompkins St., New York.
Litchfield Car & Machine Co., Litchfield, Ill.
Monitor Mfg. Co., Auburn, Ind.
John O'Brien Boiler Works Co., 1129 N. Main St., St. Louis, Mo.
Pittsburgh Locomotive & Car Works, Pittsburgh, Pa.

Southwark F'd'ry & Mach. Wks., Wash. Av., S. 5th St., Phila., Pa.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
Herman Strater & Sons, 74 Sudbury St., Boston, Mass.
Union Steam Boiler Works, Allentown, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Valk & Murdoch, Charleston, S. C.
Vulcan Iron Works, Wilkes Barre, Pa. *131

A. CEDAR TANKS.
Eclipse Wind Engine Co., Beloit, Wis.
Ames H. Hall, 140 Chestnut St., Philadelphia, Pa.
John M. Smith & Sons, 1423 Spring Garden St., Philadelphia, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.
George Woolford, 2240 N. 9th St., Philadelphia, Pa.

B. IRON TANKS.
Bartlett, Hayward & Co., Baltimore, Md.
Samuel Booth, 543 W. 35th St., New York.
Brooks Locomotive Works, Dunkirk, N. Y.
Robt. Deeley & Co., 507 W. 32d St., New York.
James R. Floyd & Sons, 539 W. 26th St., New York.
Frick Co., Waynesboro', Pa. *153
R. F. Hawkins Iron Works, Springfield, Mass.
Milton Car Works, Milton, Pa.
James Moore, N. 16th & Buttonwood Sts., Philadelphia, Pa.
Oil City Boiler Works, Oil City, Pa.
Phœnix Iron Co., Trenton, N. J.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Pittsburgh Locomotive & Car Works, Pittsburgh, Pa.
Pittsburgh Rustless Iron Works, Pittsburgh, Pa.
Porter Boiler Mfg. Co , S. Chicago, Ill.
Remington Machine Co., Wilmington, Del.
Swamscot Machine Co., S. New Market, N. H.
Tudor Boiler Mfg. Co., 244 E. Pearl St., Cincinnati, O.
Valk & Murdock Iron Works, Charleston, S. C.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Robert Wetherill & Co., Chester, Pa.

C. MARINE TANKS.
Atlantic Works, 60 Border St., E. Boston, Mass.
Samuel Booth, 543 W. 35th St., New York.
E. Hodge & Co., 160 Liverpool Av., E. Boston, Mass.

D. OIL TANKS.
Bartlett, Hayward & Co., Baltimore, Md.
Samuel Booth, 543 W. 35th St., New York.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Excelsior Mfg. Co., Pittsburgh, Pa.
Farrell Logan & Sons, Commercial & Clay Sts., Brooklyn, N. Y.
W. C. Garrison Mfg. Co., 75 Warren St., New York.
Harrisburg Boiler Mfg Co., Harrisburg, Pa.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
R. Munroe & Son, Pittsburgh, Pa. *161
John O'Brien Boiler Works Co., 1129 N. Main St., St. Louis, Mo.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
Geo. Reeves, Niles, O.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Valk & Murdoch Iron Works, Charleston, S. C.

E. TANK BAND FASTENERS.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Winship Mfg. Co., Racine, Wis.

F. TANK INDICATORS.
Eclipse Wind Engine Co., Beloit, Wis.
T. Shaw, 915 Ridge Av., Philadelphia, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.

G. TANK VALVES.
Laidlaw & Dunn Co., Pearl & Plum Sts., Cincinnati, O.
U. S. Wind Engine & Pump Co., Batavia, Ill.

H. WATER TANKS.
Althouse Wheeler Co., Waupun, Wis.
Bartlett, Hayward & Co., Baltimore, Md.
Samuel Booth, 543 W. 35th St., New York.
Carroll-Porter Boiler & Tank Co., Pittsburgh, Pa. *148
Eclipse Wind Engine Co., Beloit, Wis.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Frick Co., Waynesboro', Pa. *153
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Farrell Logan & Sons, Commercial & Clay Sts., Brooklyn, N. Y.
Moline Pump Co., Moline, Ill.
R. Munroe & Son, Pittsburgh, Pa. *161
Wm. B. Pollock & Co., Youngstown, O.
Geo. Reeves, Niles, O.
Riter & Conley, Pittsburgh, Pa.
Stacey Mfg. Co., 33 Mill St., Cincinnati, O.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vulcan Iron Works, Wilkes Barre, Pa. *131

Wells, Russell & Co., San Francisco, Cal.

I. WIND MILL TANKS.
American Wells Works, Aurora, Ill.
Avery Planter Co., Peoria, Ill.
Baker Mfg. Co., Evansville, Wis.
Challenge Wind Mill & Feed Mill Co., Batavia, Ill.
A. C. Clark & Co., Manchester, Iowa.
Decorah Wind Mill Co., Decorah, Iowa.
Duplex Wind Mill Co., Brooklyn, Wis.
Eclipse Wind Engine Co., Beloit, Wis.
Elgin Wind Power & Pump Co., Elgin, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
E. K. Green, Los Angeles, Cal.
May Bros., Galesburg, Ill.
Monitor Mfg. Co., Auburn, Ind.
Perkins Windmill & Axe Co., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St.,New York.
R. N. Rasmussen, Randolph, Wis.
Sandwich Enterprise Co., Sandwich, Ill.
Springfield Machine Co., Springfield, O.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
Stover Mfg. Co., Freeport, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Van Winkle Gin & Machine Co., Atlanta, Ga.
Williams Mfg. Co., Kalamazoo, Mich.
Woodin & Little, San Francisco, Cal.
Woodmanse & Hewitt Mfg. Co., Freeport, Ill.
Zimmermann Mfg. Co., Auburn, Ind.

J. WINE TANKS.
Eclipse Wind Engine Co., Beloit, Wis.
Wells, Russell & Co., San Francisco, Cal.

K. WOOD TANKS.
G. J. Burkhardt's Sons, 2231 N. Broad St., Philadelphia, Pa.
F. F. Collins Mfg. Co., San Antonio, Tex.
Eclipse Wind Engine Co., Beloit, Wis.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St.,New York.
J. Schwarzwalder & Sons, 637 W. 51st St., New York.
U. S. Wind Engine & Pump Co., Batavia, Ill.

2835. TASSEL MOULDS.
Atwood-Crawford Co., Pawtucket, R. I.
Chas. Weber, Kensington, Philadelphia, Pa.

2836. TAXIDERMISTS' ARTIFICIAL EYES.
Chris. Hahn, 16 N. William St., New York.
J. Kannofsky, 369 Canal St., New York.

2837. TEMPERED COPPER.
Eureka Tempered Copper Co., North East, Pa.

2838. TEREBENE.
McKesson & Robbins, 91 Fulton St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

2839. TEXTILE SUPPLIES.

A. AIR MOISTENERS.
J. G. Garland, Biddeford, Me.

B. BELT HOLE GUARDS.
Geo. Draper & Sons, Hopedale, Mass.

C. BOBBINS.
J. Atkinson & Co., Paterson, N. J.
F. J. Bailey, Monroe, Me.
James Baldwin Co., Manchester, N. H.
Geo. A. Church, Ely, Vt.
John R. Daggers, Paterson, N. J.
Isaac Eaton Co., Nashua, N. H.
Hartford Machine Screw Co., Hartford, Conn.
E. H. Jacobs & Co., Danielsonville, Conn.
J. S. Jaques Shuttle Co., Lowell, Mass.
Nashua Bobbin & Shuttle Co., Nashua, N. H.
E. A. Potter & Bros., S. Scituate, R. I.
L. Sprague Co., Lawrence, Mass.
Stevenson Mfg. Co., Pittsfield, Mass.
Van Riper Mfg. Co., Paterson, N. J.
Woonsocket Spool & Bobbin Co., Woonsocket, R. I.

D. BOBBINS IN THE ROUGH.
J. K. Atwood, Lisbon, N. H.
J. H. Bowles & Co., Stark, N. H.
Parker & Young Mfg. Co., Lisbon, N. H.

E. BOBBINS, SILK.
Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Stevenson Mfg. Co., Pittsfield, Mass.

F. BRAID ROLLS.
Atwood-Crawford Co., Pawtucket, R. I.

G. COP SKEWERS.
Gilbert Loom Co., Worcester, Mass. *132
T. J. Hale & Co., Lawrence, Mass.
Geo. W. Payne & Co., Pawtucket, R. I.
Stevenson Mfg. Co., Pittsfield, Mass.

H. COP TUBES, PAPER.
James Brown, Jr., Manayunk, Philadelphia, Pa.
Douglas & Bros., Fall River, Mass.
Haworth & Watson, Lowell, Mass.

	E. H. Jacobs & Co., Danielsonville, Conn.	
I. COTTON BANDINGS.	H. A. Briggs & Co., Pawtucket, R. I.	
	F. A. Chase & Co., Providence, R. I.	
	Covel & Osborne, Fall River, Mass.	
	E. Jenckes Mfg. Co., Pawtucket, R. I.	
	Lees Mfg. Co., Westport, Conn.	
	Russell Mfg. Co., Middletown, Conn.	
J. GLASS RODS & BARS.	Chas. Dempwolf, Jr., Paterson, N. J.	
K. GUIDE WIRES.	American Supply Co., Providence, R. I.	*173
	M. S. Brooks & Son, Chester, Conn.	*98
	Hopedale Machine Co., Hopedale, Mass.	
L. HARNESS FRAMES.	Brown Bros. & Co., Providence, R. I.	
	Gilbert Loom Co., Worcester, Mass.	*132
	E. H. Jacobs & Co., Danielsonville, Conn.	
	Knowles Loom Works, Worcester, Mass.	*175
	J. H. Williams Co., Utica, N. Y.	
M. HARNESS STRAPS.	A. Burgess & Son, Providence, R. I.	
	William Coupe & Co., South Attleboro, Mass.	
	E. H. Jacobs & Co., Danielsonville, Conn.	
N. HARNESS TWINE.	Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.	
	J. H. Williams Co., Utica, N. Y.	
O. HEDDLES.	American Supply Co., Providence, R. I.	*173
	I. A. Hall & Co., Paterson, N. J.	
	Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.	
	L. S. Watson & Co., Leicester, Mass.	
	J. H. Williams Co., Utica, N. Y.	
P. HOSIERY BOARDS.	Taylor & Gordon, Bristol, N. H.	
Q. JACK HOOKS.	M. S. Brooks & Son, Chester, Conn.	*98
	Landers, Frary & Clark, New Britain, Conn.	
R. JUTE MILL SUPPLIES.	Brown Bros. & Co., Providence, R. I.	
	Landers, Frary & Clark, New Britain, Conn.	
	S. E. & T. Stott, Lowell, Mass.	
S. LOOM HARNESS.	E. Anderson, Pawtucket, R. I.	
	American Supply Co., Providence, R. I.	*173
	Thomas Clegg, Lawrence, Mass.	
	Emmons Loom Harness Co., Lawrence, Mass.	
	Gibbs Loom Harness & Reed Co., Clinton, Mass.	
	I. A. Hall & Co., Paterson, N. J.	
	Wm. Huston, Providence, R. I.	
	Henry C. Lazelle, Woonsocket, R. I.	
T. LOOM HARNESS, FANCY.	I. A. Hall & Co., Paterson, N. J.	
	Lawrence Flyer & Spindle Works, Lawrence, Mass.	
	Paterson Reed & Harness Co., Paterson, N. J.	
	Schaum & Uhlinger, N. 2d St. & Glenwood Av., Phila., Pa.	
U. LOOM PICKERS.	John W. Barlow, Lawrence, Mass.	
	Brown Bros. & Co., Providence, R. I.	
	A. Burgess & Son, Providence, R. I.	
	R. A. Butler, Central Falls, R. I.	
	Crane Bros., Westfield, Mass.	*74
	Josiah Gates & Sons, Lowell, Mass.	
	A. & C. W. Holbrook, Providence, R. I.	
	E. H. Jacobs & Co., Danielsonville, Conn.	
	Riehl & Clark, 1130 Charlotte St., Philadelphia, Pa.	
	Weatherhead, Thompson & Co., Pawtucket, R. I.	
	J. H. Williams Co., Utica, N. Y.	
V. LOOM STRAPS.	J. V. Abbott Mfg. Co., E. Dedham, Mass.	
	American Supply Co., Providence, R. I.	*173
	Brown Bros. & Co., Providence, R. I.	
	A. Burgess & Son, Providence, R. I.	
	R. A. Butler, Central Falls, R. I.	
	I. I. England, Providence, R. I.	
	Josiah Gates & Sons, Lowell, Mass.	
	E. H. Jacob & Co., Danielsonville, Conn.	
	Page Belting Co., Concord, N. H.	
	Weatherhead, Thompson & Co., Pawtucket, R. I.	
W. MILL BASKETS.	Brown Bros. & Co., Providence, R. I.	
	Crane Bros., Westfield, Mass.	*74
	Leatheroid Mfg. Co., Kennebunk, Me.	
	A. & C. W. Holbrook, Providence, R. I.	
X. MILL CANS.	Iron Clad Mfg. Co., 22 Cliff St., New York.	
Y. PICKER LEATHER.	A. & C. W. Holbrook, Providence, R. I.	
	Page Belting Co., Concord, N. H.	
Z. PICKER LOOPS.	American Supply Co., Providence, R. I.	*173
	A. Burgess & Son, Providence, R. I.	
	E. H. Jacobs & Co., Danielsonville, Conn.	
	F. P. Lee, Woonsocket, R. I.	

AA. PICKER ROD SPRINGS.	Morgan Spring Co., Worcester, Mass.	
	New England Specialty Co., N. Easton, Mass.	
BB. PICKER STICKS.	Taylor & Gordon, Bristol, N. H.	
CC. PORCELAIN MILL GOODS.	Chas. Dempwolf, Jr., Paterson, N. J.	
DD. QUILLS.	Chas. Dempwolf, Jr., Paterson, N. J.	
EE. REEDS.	American Supply Co., Providence, R. I.	*173
	D. C. Brown, Lowell, Mass.	
	C. Cowles & Co., New Haven, Conn.	
	Emmons Loom Harness Co., Lawrence, Mass.	
	Excelsior Loom Reed Works, Pawtucket, R. I.	
	Gibbs Loom Harness & Reed Co., Clinton, Mass.	
	J. A. Gowdy & Son, Providence, R. I.	
	I. A. Hall & Co., Paterson, N. J.	
	Hopedale Machine Co., Hopedale, Mass.	
	Wm. Huston, Providence, R. I.	
	Littlefield & Sawyer, Saco, Me.	
	Paterson Reed & Harness Co., Paterson, N. J.	
	Geo. A. Shepard & Son, Bethel, Conn.	
	Stevenson Mfg. Co., Pittsfield, Mass.	
	R. R. Street & Co., 184 Washington St., Chicago, Ill.	
	Jacob Walder, Paterson, N. J.	
	J. H. Williams Co., Utica, N. Y.	
FF. RING TRAVELERS.	American Ring Traveler Co., Providence, R. I.	
	Brown Bros. & Co., Providence, R. I.	
	F. A. Chase & Co., Providence, R. I.	
	Fisher, White & Co., Providence, R. I.	
	E. Jenckes Mfg. Co., Pawtucket, R. I.	
GG. ROLL COVERS.	American Supply Co., Providence, R. I.	*173
	R. A. Butler, Central Falls, R. I.	
	H. H. Dickey & Son, Lewiston, Me.	
	I. I. England, Providence, R. I.	
	E. H. Jacobs & Co., Danielsonville, Conn.	
	E. Jenckes Mfg. Co., Pawtucket, R. I.	
	John Miller, Providence, R. I.	
	B. F. Nichols Belting Co., Holyoke, Mass.	
	Plumer & Brown, Manchester, N. H.	
	Ephraim Prentice, Danielsonville, Conn.	
	D. & O. B. Wetherell, Fall River, Mass.	
HH. SHUTTLES.	American Supply Co., Providence, R. I.	*173
	James Baldwin Co., Manchester, N. H.	
	Billings & Spencer Co., Hartford, Conn.	*103
	James H. Billington & Co., 113 Chestnut St., Philadelphia, Pa.	
	D. T. Dudley & Son, Wilkinsonville, Mass.	
	J. W. Jackson & Co., 933 Charlotte St., Philadelphia, Pa.	
	Litchfield Shuttle Co., Southbridge, Mass.	
	Porter & Co., Watertown, Mass.	
	R. Sergeson & Co., 1702 Tulip St., Philadelphia, Pa.	
	Stevenson Mfg. Co., Pittsfield, Mass.	
	L. Sprague Co., Lawrence, Mass.	
	Jacob Walder, Paterson, N. J.	
	Wheeler Bros. & Co., Lexington, N. C.	
	J. H. Williams Co., Utica, N. Y.	
II. SILK MILLS SUPPLIES.	Brown Bros. & Co., Providence, R. I.	
	F. A. Chase & Co., Providence, R. I.	
	I. A. Hall & Co., Paterson, N. J.	
	Standard China Works, Trenton, N. J.	
JJ. SIZE.	Jona. Holt & Co., Lowell, Mass.	
	Starks, Edson & Co., Westminster Sta'n, Vt.	
KK. SPINDLES.	Benj. Buckley's Son, Paterson, N. J.	
	Dann Bros. & Co., New Haven, Conn.	
	Geo. Draper & Sons, Hopedale, Mass.	
	Easton & Burnham, Pawtucket, R. I.	
	Lawrence Flyer & Spindle Works, Lawrence, Mass.	
	Providence Machine Co., Providence, R. I.	
	A. A. Westcott & Sons, Hopedale, Mass.	
	H. A. Williams Mfg. Co., Taunton, Mass.	*52
LL. SPINDLE BOLSTERS.	Bloom & Godley, Trenton, N. J.	
	Lawrence Flyer & Spindle Works, Lawrence, Mass.	
	Geo. W. Payne & Co., Pawtucket, R. I.	
	Piqua Handle & Mfg. Co., Piqua, O.	*212
MM. SPINDLE RAILS.	Blakeslee & Co., Plantsville, Conn.	
NN. SPINNING RINGS.	American Supply Co., Providence, R. I.	*173
	Brown Bros. & Co., Providence, R. I.	
	Benj. Buckley's Son, Paterson, N. J.	
	Geo. Draper & Sons, Hopedale, Mass.	
	E. Jenckes Mfg. Co., Pawtucket, R. I.	

A. A. Westcott & Sons, Hopedale, Mass.
Arthur F. Whitin & Co., Whitinsville, Mass.

OO. SPINDLE STEPS. Lawrence Flyer & Spindle Works, Lawrence, Mass.

PP. SPOOLS. J. Atkinson & Co., Paterson, N. J.
James Baldwin Co., Manchester, N. H.
Isaac Eaton Co., Nashua, N. H.
T. J. Hale & Co., Lawrence, Mass.
E. H. Jacobs & Co., Danielsonville, Conn.
J. S. Jaques Shuttle Co., Lowell, Mass.
Stevenson Mfg. Co., Pittsfield, Mass.
Van Riper Mfg. Co., Paterson, N. J.
Weatherhead, Thompson & Co., Pawtucket, R. I.

QQ. STRIKING COMBS. D. C. Brown, Lowell, Mass.
Gallup Bros., Marcellus, N. Y.

RR. VULCANIZED FIBRE MILL GOODS. Stevenson Mfg. Co., Pittsfield, Mass.

SS. WASTE BOXES, CAST IRON. Geo. V. Cresson, 18th St. & Allegheny Av., Philadelphia, Pa.

TT. THREADED WIRES. Henry B. Todd, Meriden, Conn.

UU. WOOLEN MILL SUPPLIES. Brown Bros. & Co., Providence, R. I.
Great Western Mfg. Co., Leavenworth, Kan.
Standard China Works, Trenton, N. J.
Underwood Mfg. Co., Tolland, Conn. *53

VV. WOOL SCOURERS. F. A. Chase & Co., Providence, R. I.
J. Eavenson & Sons, 313 N. 20th St., Philadelphia, Pa.

WW. WIRE SPRING PINS. E. Jenckes Mfg. Co., Pawtucket, R. I.

XX. WORSTED APRON LEATHER. Brown Bros. & Co., Providence, R. I.
Josiah Gates & Sons, Lowell, Mass.
Chas. A. Schieren Co., 45 Ferry St., New York.

YY. WORSTED COMBING APRONS. American Multiple Fabric Co., Olenville, R. I.
Josiah Gates & Sons, Lowell, Mass.
Wm. Parr, Lowell, Mass.

2840. THAWING CANS.
Hercules Powder Co., Cleveland, O.

2841. TIN & IRON WARE TRIMMINGS.
American Buckle & Cartridge Co., W. Haven, Conn.
Baker, McMillan & Co., Akron, O.
Berger Bros., 237 Arch St., Philadelphia, Pa.
Cannonsburg Iron & Steel Co., Cannonsburg, Pa.
Chicago Stamping Co., 10 Lake St., Chicago, Ill.
Thos. Devlin & Co., Lehigh Av. & N. 3d St., Philadelphia, Pa.
Florence Tack Co., Florence, Mass.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
F. W. Hunt & Son, 157 South St., New York.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
John H. McGowan Co., 42 Central Av., Cincinnati, O.
Edward Miller & Co., Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
C. B. Porter & Co., 128 N. 2d St., Philadelphia, Pa.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

2842. TINNED STEEL.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn. *71

2843. TIN TAGS.
Hamilton & Lilley, 36 Bridge St., Brooklyn, N. Y.
Jas. Murdock, Jr., 52 Longworth St., Cincinnati, O.
J. M. Robinson & Co., 225 W. 2d St., Cincinnati, O.
Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.

2844. TOOL BAGS.
C. S. Osborne & Co., Newark, N. J.
T. B. Peddie & Co., Newark, N. J.

2845. TRIMMINGS, DRESS.

A. BULLION TRIMMINGS. M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.

B. DRESS BELTS. M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
New York Woven Label Mfg. Co., 262 Canal St., New York.

C. FUR TRIMMINGS. Philips Brody, 481 Broome St., New York.
M. Foltz, 19 W. Houston St., New York.
Wm. Jackson, Cleveland, O.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
A. Platky & Co., 26 W. Houston St., New York.
Samuel Weil, 70 Wooster St., New York.

D. PASSEMENTERIE. M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
John H. Vogt, 270 Bowery, New York.

E. SILK ORNAMENTS. A. B. Fiedler & Sons, 183 5th Av., Chicago, Ill.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
M. Seckel & Co., 15 Mercer St., New York.

2846. TRIMMINGS, REGALIA & UNIFORM.

A.	CAP ORNAMENTS.	Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
		John H. Vogt, 270 Bowery, New York.
B.	EPAULETTES.	Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
C.	MILITARY ORNAMENTS.	S. A. French, 400 Broome St., New York.
		Waterbury Button Co., Waterbury, Conn.
D.	PLUMES.	Chapman Mfg. Co., Meriden, Conn.
		Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
		Otto Wagner, 90 Prince St., New York.
E.	POMPONS.	Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
F.	RAILROAD UNIFORM TRIMMINGS.	Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
G.	REGALIA HOOKS.	Wire Goods Co., Worcester, Mass.
H.	REGALIA JEWELS.	Ames Sword Co., Chicopee, Mass.
I.	REGALIA MOUNTINGS.	Ames Sword Co., Chicopee, Mass.
J.	REGALIA TINSEL BRAIDS.	Tate & Co., Malden, Mass.
K.	SHOULDER KNOTS.	Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
L.	SHOULDER STRAPS.	Horstman Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
M.	SOCIETY ORNAMENTS.	S. A. French, 400 Broome St., New York.
N.	TINSEL ORNAMENTS.	Schloss & Sons, 15 Mercer St., New York.
		John H. Vogt, 270 Bowery, New York.

2847. TRIPOLI. Hanson & Van Winkle Co., Newark, N. J.

2848. TRUCK CASTERS, RUBBER WHEEL.
Geo. P. Clark, Windsor Locks, Conn.

2849. TRUNK SUPPLIES.

A.	FIGURED ZINC.	M. Gould's Son & Co., Newark, N. J.
B.	LEATHER HANDLES.	M. Gould's Son & Co., Newark, N. J.
		Victor Knecht, 195 Wade St., Cincinnati, O.
		C. W. Stratton, Leominister, Mass.
C.	TRUNK FRAMES.	Edw. Simon & Bro., Newark, N. J.
D.	TRUNK PAPER.	E. A. Adams & Son, Newark, N. J.

2850. TUBING, FLEXIBLE. American Tubing & Webbing Co., Providence, R. I.
Atlantic Mfg. Co , Providence, R. I.
New York Belting & Packing Co., 15 Park Row, New York.

A. GAS STOVE TUBING, COVERED. American Tubing & Webbing Co., Providence, R. I.

2851. TUYERES & FITTINGS. Atlas Bronze & Tuyere Co., 2837 Smallman St., Pittsburgh, Pa.
Bullock Bellows Co., 130 Columbus St., Cleveland, O.
Abner Doble Co., San Francisco, Cal.
Duncan Mackenzie, Trenton, N. J. *118
Empire Portable Forge Co., Lansingburgh, N. Y.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Kier Bros., Pittsburgh, Pa.
Parker-Russell Mining & Mfg. Co., 407 B'way., St. Louis, Mo.
P. H. & F. M. Roots Co., Connersville, Ind.
Silver Mfg. Co., Salem, O. *205
Union Steam Boiler Works, Allentown, Pa.

2852. TYPEWRITER SUPPLIES.
Hammond Type Writer Co., 447 E. 52d St., New York.
John Underwood & Co., 30 Vesey St., New York.

A.	STEEL TYPE.	New York Stencil Works, 100 Nassau St., New York.
B.	TYPEWRITER RIBBONS.	Geo. R. Fuller, Rochester, N. Y.
		A. P. Little, Rochester, N. Y.
		N. Y. Carbon & Transfer Paper Co., 51 Nassau St., New York
		John Underwood & Co., 30 Vesey St., New York.
C.	TYPEWRITER ROLLS.	New Jersey Car Spring & Rubber Co., Jersey City, N. J.

2853. UMBRELLA & PARASOL SUPPLIES.

A.	CELLULOID UMBRELLA HANDLES.	Arlington Mfg. Co., 392 Broadway, New York.
		A. F. Bannister & Co., Newark, N. J.
		Celluloid Co., Newark, N. J. *262
B.	UMBRELLA FRAMES.	American Mfg. Co., 525 W. 59th St., New York.
		Jos. Barnhurst, 1628 N. 21st St., Philadelphia, Pa.
		Jas. Conaway & Co., 442 W. 12th St., Philadelphia, Pa.
C	UMBRELLA MOUNTINGS.	S. W. Evans & Son, 4263 Paul St., Frankford, Philadelphia, Pa.
		Novelty Mfg. Co., Waterbury, Conn.
		Osborn & Co., Lancaster, Pa.
		Simons, Bros. & Co., 618 Chestnut St., Philadelphia, Pa.
		Louis Winckler, 142 Fulton St., New York.
		Wright Bros. & Co., 324 Market St., Philadelphia, Pa.
D.	UMBRELLA STICKS.	M. Friedman & Co., 177 Grand St., New York.
		Winter & Ball Mfg. Co., Jersey City, N. J.
		Wright Bros. & Co., 324 Market St., Philadelphia, Pa.
E.	UMBRELLA TIES.	H. Twitchell & Son, Union City, Conn.

2854. UNDERTAKERS' SUPPLIES.

Cobalt Mfg. Co., Cobalt, Conn.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Muskingum Coffin Co., Zanesville, O.
National Casket Co., Rochester, N. Y.
Saugatuck Mfg. Co., Saugatuck, Conn.
Schrack & Sherwood, 135 N. 3d St., Philadelphia, Pa.
Sutro Bros. Braid Co., 127 Spring St., New York.
Textile Mfg. Co., Westfield, Mass.
White Mfg. Co., Bridgeport, Conn.

A. BURIAL CASES.
Central Mfg. Co., Buffalo, N. Y.
Cincinnati Coffin Co., Richmond & Carr Sts., Cincinnati, O.
Cleveland Burial Case Co., Cleveland, O.
Embalming Burial Case Co., Burlington, Iowa.
Erie Burial Case Co., Erie, Pa.
L. M. Hall & Co., Atlanta, Ga.
Iowa Coffin Co., Dubuque, Iowa.
National Casket Co., Rochester, N. Y.
Rockford Burial Case Co., Rockford, Ill.

B. BURIAL ROBES.
Crawfordsville Coffin Co., Crawfordsville, Ind.
Mound Coffin Co., 2000 W. 2d St., St. Louis, Mo.
Muskingum Coffin Co., Zanesville, O.
National Casket Co., Rochester, N. Y.
Peabody Mfg. Co., Manchester, N. H.
Jas. M. Shanahan & Co., 267 Bowery, New York.

C. CASKET BRACKETS.
B. F. Gleason, Brockport, N. Y.
National Casket Co., Rochester, N. Y.

D. CASKETS, CLOTH COVERED.
Chattanooga Coffin & Casket Co., Chattanooga, Tenn.
Gate City Coffin Co., Atlanta, Ga.
Iowa Coffin Co., Dubuque, Iowa.
Mound Coffin Co., 2000 N. 2d St., St. Louis, Mo.
National Casket Co., Rochester, N. Y.

E. CASKET HARDWARE.
Meriden Britannia Co., Meriden, Conn.
Mound Coffin Co., 2000 N. 2d St., St. Louis, Mo.
National Casket Co., Rochester, N. Y.
Pairpoint Mfg. Co., New Bedford, Mass. *25

F. CASKET LININGS.
Mound Coffin Co., 2000 N. 2d St., St. Louis, Mo.
National Casket Co., Rochester, N. Y.
Jas. M. Shanahan & Co , 267 Bowery, New York.

G. CASKET MOULDINGS.
National Casket Co., Rochester, N. Y.
Schrafft & Co., Newark, N. J.

H. CASKET NAME PLATES.
Meriden Brittania Co., Meriden, Conn.
Mound Coffin Co., 2000 N. 2d St., St. Louis, Mo.
National Casket Co., Rochester, N. Y.
Reed & Barton, Taunton, Mass.

I. COFFINS & CASKETS.
Buckstaff, Edwards & Co., Oshkosh, Wis.
Burlington Coffin Co., Burlington, N. C.
Central Mfg. Co., Buffalo, N. Y.
Chattanooga Coffin & Casket Co., Chattanooga, Tenn.
Cincinnati Coffin Co., Richmond & Carr Sts., Cincinnati, O.
Crane & Breed Mfg. Co., 683 W. 8th St., Cincinnati, O.
Gate City Coffin Co., Atlanta, Ga.
Globe Casket Mfg. Co., Kalamazoo, Mich.
L. H. Hall & Co., Atlanta, Ga.
Hornthal & Co., 31 Bond St., New York.
Indestructible Burial Casket Co., 11 Madison St., Chicago, Ill.
Iowa Coffin Co,, Dubuque, Iowa.
Mound Coffin Co., 2000 N. 2d St., St. Louis, Mo.
National Casket Co., Rochester, N. Y.
N. Y. & Brooklyn Casket Co., 34 S. 9th St., Brooklyn, N. Y.
Northwestern Casket Co., Minneapolis, Minn.
Ohio Valley Coffin Co., Fort Worth, Tex.
G. W. Wooley & Son, Hartford, Conn.

J. COFFIN HINGES.
Eagle Lock Co., Terryville, Conn.
National Casket Co., Rochester, N. Y.

K. COFFIN TRIMMINGS.
Boston Button Co., 326 A St. n. Congress, Boston, Mass.
Cincinnati Coffin Co., Richmond & Carr Sts., Cincinnati, O.
Crane & Breed Mfg. Co., 683 W. 8th St., Cincinnati, O.
Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.
Griffin Silver Plate Co., 132 W. Washington St., Chicago, Ill.
Hamilton, Lemon, Arnold & Co., Pittsburgh, Pa.
Meriden Britannia Co., Meriden, Conn.
National Casket Co., Rochester, N. Y.
Pairpoint Mfg. Co., New Bedford, Mass. *25
Reed & Barton, Taunton, Mass.
C. Rogers & Bros., Meriden, Conn.

	Sargent & Co., New Haven, Conn.
	Smith, Carpenter & Co., Attleboro', Mass.
	Strong Mfg. Co., Winsted, Conn.
	W. D. Wilmarth & Co., Attleboro', Mass.
L. COOLING BOARDS.	B. F. Gleason, Brockport, N. Y.
	National Casket Co., Rochester, N. Y.
M. DEPILATING FLUID.	Mills & Lacey Mfg. Co., Grand Rapids, Mich.
N. EMBALMERS' CABINETS.	Mills & Lacey Mfg. Co., Grand Rapids, Mich.
O. EMBALMING FLUID.	Clarke Chemical Works, Springfield, O.
	Frank W. Dickinson, Springfield, Mass.
	Egyptian Chemical Co., 15 Foster Wharf, Boston, Mass.
	Egyptian Embalmer Co., Rochester, N. Y.
	Mills & Lacey Mfg. Co., Grand Rapids, Mich.
P. EMBALMING INSTRUMENTS.	Clarke Chemical Works, Springfield, O.
	Mills & Lacey Mfg. Co., Grand Rapids, Mich.
	Parker, Stearns & Sutton, 229 South St., New York.
Q. HEARSE PLUMES.	Taylor Co., Hadlyme, Conn.

2855. UPHOLSTERY & BEDDING SUPPLIES.

A. ARTIFICIAL MOSS.	Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
B. BEDDING SUPPLIES.	A. L. Haskell & Son, 102 Hanover St., Boston, Mass.
	F. E. Little & Co., 701 N. Main St., St. Louis, Mo.
	J. T. Matthews & Co., 249 S. Canal St., Chicago, Ill.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
C. BLIND ROLLERS.	Stewart Hartshorn, Harrison, N. J.
	Meriden Curtain Fixture Co., Meriden, Conn.
D. CURLED CORK.	Paddock Mfg. Co., 21 Dodworth St., Brooklyn, N. Y.
E. CURLED HAIR.	American Curled Hair Co., 154 S. 5th Av., New York.
	Baeder, Adamson & Co., 730 Market St., Philadelphia, Pa.
	F. Burkhardt & Co., 523 N. 2d St., St. Louis, Mo.
	Delany & Co., 3200 N. 2d St., Philadelphia, Pa.
	Glover & Willcomb, 36 Canal St., Boston, Mass.
	Indianapolis Curled Hair Co., Indianapolis, Ind.
	P. R. Mitchell & Co., 140 W. Pearl St., Cincinnati, O.
	Chas. P. Rogers & Co., 266 6th Av., New York.
	Frederick Walpert & Co., Baltimore, Md.
	A. W. Wheeler & Co., 63 Hanover St., Boston, Mass.
	Peter Woll & Sons, 169 Berks St., Philadelphia, Pa.
F. CURTAIN & SHADE CORDS.	Ossawan Mills Co., Norwich, Conn. *65
	Schrack & Sherwood, 231 Market St., Philadelphia, Pa.
	Tate & Co., Malden, Mass.
G. CURTAIN LOOPS.	Globe Curtain Pole Co., Waterbury, Conn.
	Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
	Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
	Turner & Seymour Mfg. Co., Torrington, Conn.
	Winton & Harroun, Binghamton, N. Y.
H. CURTAIN POLES, WOOD.	W. E. Arnold & Co., Baltimore, Md.
	Burlington Shade Roller Co., Burlington, Vt.
	Ferguson Bros., 449 W. 30th St., New York.
	J. C. Greenleaf Mfg. Co., Greenleaf, Mass.
	Novelty Wood Works, Union City, Pa.
	Edward Roos Mfg. Co., W. 16th cor. Fisk St., Chicago, Ill.
	Toledo Moulding Co., Toledo, O.
I. CURTAIN POLE RINGS.	J. C. Greenleaf Mfg. Co., Greenleaf, Mass.
	Novelty Wood Works, Union City, Pa.
	Turner & Seymour Mfg. Co., Torrington, Conn.
	Waterbury Mfg. Co., Waterbury, Conn.
J. CURTAIN ROLLERS, CARRIAGE.	Spring Perch Co., Bridgeport, Conn.
K. DECORATING FELT.	Alfred Dolge, Dolgeville, N. Y.
	Joseph Wild & Co., 206 Kosciusko St., Brooklyn, N. Y.
L. DOWN.	Cold Blast Feather Co., 56 W. Van Buren St., Chicago, Ill.
	Industry Down & Quilting Co., 434 N. 22d St., Philadelphia, Pa.
	Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
M. DOWN QUILTS.	Ely, Collins & Hale, 1918 Chestnut St., St. Louis, Mo.
	Industry Down & Quilting Co., 434 N. 22d St., Philadelphia, Pa.
	McGrath & Bisgood, Buffalo, N. Y.
N. DRAPERY FRINGES.	Burr, Brown & Co., Hingham, Mass.
	C. Buschner, 738 Broadway, New York.
	Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
	Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
	Schrack & Sherwood, 231 Market St., Philadelphia, Pa.
O. EXCELSIOR.	Boston Excelsior Co., 26 Canal St., Boston, Mass.
	Cold Blast Feather Co., 40 W. Van Buren St., Chicago, Ill.
	J. W. Fox, Grand Rapids, Mich.
	Russell Bros., Estes & Co., Phillips, Me.
	Smith & Davis Mfg. Co., Lucas Av. & 23d St., St. Louis, Mo.

	T. J. Stewart & Co., Bangor, Me.	*64
P. FURNITURE CORDS.	Horstman Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.	
	Wm. H. Horstman & Sons, N. 5th & Cherry Sts., Phila., Pa.	
	Schrack & Sherwood, 231 Market St., Philadelphia, Pa.	
	J. H. Stevenson & Co., 15 Washington St., Chicago, Ill.	
	Sutro Bros. Braid Co., 127 Spring St., New York.	
Q. GALLOONS.	Springfield Narrow Fabric Co., Springfield, Mass.	
R. GEESE FEATHERS.	Cold Blast Feather Co., 56 W. Van Buren St., Chicago, Ill.	
	Dubuque Mattress Factory, Dubuque, Iowa.	
	Ely, Collins & Hale, 1918 Chestnut St., St. Louis, Mo.	
	Glover & Willcomb, 36 Canal St., Boston, Mass.	
	Frank A. Hall, 106 Centre St., New York.	
	Jacob Kaiser & Co., 204 S. 4th St., St. Louis, Mo.	
	T. B. Laycock Mfg. Co., Indianapolis, Ind.	
	F. E. Little & Co., 701 N. Main St., St. Louis, Mo.	
	Chas. P. Rogers & Co., 266 6th Av., New York.	
S. GOLD CLOTH ON FELT.	Manhattan Shade Cloth Co., 456 Broome St., New York.	
T. LEATHER BUTTONS.	American Solid Leather Button Co., Providence. R. I.	
	T. V. Johnson, 227 Canal St., New York.	
U. LEATHER GIMPS.	T. V. Johnson, 227 Canal St., New York.	
	Parker Bros., Lynn, Mass.	
V. LEATHER TRIMMINGS.	T. V. Johnson, 227 Canal St., New York.	
W. MOSS, UPHOLSTERERS'.	D. Webster King Glue Co., 168 High St., Boston, Mass.	
X. PORTIERES.	Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.	
	Brussels Tapestry Co., Ardsley, N. Y.	
	Paine's Furniture Co., 48 Canal St., Boston, Mass.	
Y. SHADE RODS.	Manhattan Shade Cloth Co., 456 Broome St., New York.	
	Jay C. Wemple Co., 537 Broadway, New York.	
Z. SHADE LOOPS.	Edward L. Bray, 122 Eliot St., Boston, Mass.	
	Burlington Shade Roller Co., Burlington, Vt.	
	Chas. W. Clark & Son, 613 Market St., Philadelphia, Pa.	
	Cleveland Window Shade Co., Cleveland, O.	
	Flint & Co., Providence, R. I.	
	Keystone Mfg. Co., Girard, Pa.	
	Nevius & Haviland, 406 Broadway, New York.	
	Paris Mfg. Co., South Paris, Me.	
	Providence Shade Roller Co., Providence, R. I.	
	Saginaw Mfg. Co., Saginaw, Mich.	
	Shorey Spring Bed & Shade Roller Co., Lowell, Mass.	
	Vermont Shade Roller Mfg. Co., Burlington, Vt.	
	Jay C. Wemple Co., 537 Broadway, New York.	
AA. SHADE ROLLERS.	Haley Mfg. Co., Concord, N. H.	
	Stewart Hartshorn, Harrison, N. J.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Meriden Curtain Fixture Co., Meriden, Conn.	
	Minetto Shade Cloth Co., Minetto, N. Y.	*89
	Providence Shade Roller Co., Providence, R. I.	
	Jay C. Wemple Co., 537 Broadway, New York.	
BB. SHADE ROLLERS SELF-ACTING.	Cushman Bros. & Co., 84 Hawley St., Boston, Mass.	
	Stewart Hartshorn, Harrison, N. J.	
	Meriden Curtain Fixture Co., Meriden, Conn.	
	Minetto Shade Cloth Co., Minetto, N. Y.	*89
	Jay C. Wemple Co., 537 Broadway, New York.	
CC. SHADE ROLLERS, TIN.	Stewart Hartshorn, Harrison, N. J.	
	Meriden Curtain Fixture Co., Meriden, Conn.	
	Jay C. Wemple Co., 537 Broadway, New York.	
DD. SHADE TRIMMINGS.	Henry W. Green & Co., 1716 Market St., Philadelphia, Pa.	
	F. W. Maurer & Sons, 529 Arch St., Philadelphia, Pa.	
	Jay C. Wemple Co., 537 Broadway, New York.	
EE. SPRING ROLLERS.	Stewart Hartshorn, Harrison, N. J.	
	Manhattan Shade Cloth Co., 456 Broome St., New York.	
	Meriden Curtain Fixture Co., Meriden. Conn.	
	Minetto Shade Cloth Co., Minetto, N. Y.	*89
	Jay C. Wemple Co., 537 Broadway, New York.	
FF. TASSELS.	Burr, Brown & Co., Hingham, Mass.	
	Hofmann & Ellrodt, 91 Mercer St., New York.	
	Leschhorn & Riegelmann, 21 Howard St., New York.	
	M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.	
	Hugo Maul & Co., 19 Bond St., New York.	
	Maurice O'Brien & Son, 812 Broadway, New York.	
	Prosnitz & Greenebaum, 64 Lispenard St., New York.	
	J. H. Stevenson & Co., 15 Washington St., Chicago, Ill.	
	John Henry Vogt, 270 Bowery, New York.	
	C. Weinberg & Co., 33 W. 23d St., New York.	
GG. TASSELS, BRASS.	H. L. Judd & Co., 87 Chambers St., New York.	
	Turner & Seymour Mfg. Co., Torrington, Conn.	

HH. TASSELS, DRAPERY.
C. Buschner, 738 Broadway, New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Maurice O'Brien & Son, 812 Broadway, New York.
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.
J. H. Stevenson & Co., 15 Washington St., Chicago, Ill.

II. TASSELS, SILK.
Adolph S. Ellison & Co., 103 Greene St., New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
M. Seckel & Co., 15 Mercer St., New York.
J. H. Stevenson & Co., 15 Washington St., Chicago, Ill.

JJ. TUFTING BUTTONS.
American Solid Leather Button Co., Providence, R. I.
Atlas Tack Corporation, Sear's Building, Boston, Mass.

KK. UPHOLSTERERS' MATERIALS.
Geo. Brooks & Son, 55th St. & Westminster Av., Phila., Pa.
Brussels Tapestry Co., Ardsley, N. Y.
Globe Curtain Pole Co., 242 Canal St., New York.
Hoyle, Harrison & Kayne, Oriana St. & Lehigh Av., Phila., Pa.
Oehrle Bros. & Co., 1002 Arch St., Philadelphia, Pa.

LL. UPHOLSTERERS' TOW.
Racine Twine & Cordage Co., Rock Rapids, Iowa.

MM. UPHOLSTERY TRIMMINGS.
Barnes & Beyer, Lehigh Av. c. N. Front St., Philadelphia, Pa.
Burr, Brown & Co., Higham, Mass.
C. Buschner, 138 Broadway, New York.
E. H. Godshalk Co., 86 Worth St., New York.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.
Lazarus, Schwarz & Lipper, 25th & Biddle Sts., Philadelphia, Pa.
M. W. Lipper & Co., 317 Garden St., Philadelphia, Pa.
Maurice O'Brien & Son, 812 Broadway, New York.
J. B. Ryer & Co., Howard St., Philadelphia, Pa.
C. A. Schmidt, 343 Broadway, New York.
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.
C. Weinberg & Co., 33 W. 23d St., New York.
Alfred Ziegler, 98 Arch St., Boston, Mass.

NN. WINDOW SHADES.
American Shade Co., 2012 Lucas Place, St. Louis, Mo.
W. E. Arnold & Co., Baltimore, Md.
Atlantic Window Shade Co., Newark, N. J.
Bailey Weston Co., 75 Hawley St., Boston, Mass.
Casse, Lackey & Co., 275 Canal St., New York.
C. W. Clarke & Son, 613 Market St., Philadelphia, Pa.
Cleveland Window Shade Co., Cleveland, O.
Cushmann Bros. & Co., 84 Hawley St., Boston, Mass.
John S. Gage, 27 Barclay St., New York.
Henry W. Green & Co., 1716 Market St., Philadelphia, Pa.
F. L. Hunninghaus & Lindemann, 245 Canal St., New York.
Kling, Guertin & Co., 542 Pearl St., New York.
F. J. Kloes & Co., Jersey City, N. J.
Lartz Wall Paper Co., 45 Randolph St., Chicago, Ill.
Manhattan Shade Cloth Co., 456 Broome St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.
Minetto Shade Cloth Co., Minetto, N. Y. *89
C. Schotte, 18 N. Canal St., Chicago, Ill.
Jay C. Wemple & Co., 537 Broadway, New York.
H. B. Wiggin's Sons, 124 Clinton Place, New York.
H. P. Williams & Co., 250 Canal St., New York.

OO. WINDOW SHADES, DECORATED.
Atlantic Window Shade Co., Newark, N. J.
Bailey Weston Co., 75 Hawley St., Boston, Mass.
Chas. W. Clark & Son, 613 Market St., Philadelphia, Pa.
H. C. Kroh & Co., 678 Broadway, New York.
Manhattan Shade Cloth Co., 456 Broome St., New York.
Meriden Curtain Fixture Co., Meriden, Conn.
Jay C. Wemple Co., 537 Broadway, New York.

2856. URN GAUGES.
Haydenville Mfg. Co., 73 Beekman St., New York.

2857. VALVE LININGS.
American Tube & Iron Co., 50 S. Canal St., Chicago, Ill.

2858. VARNISH CAN CAPS & NOZZLES.
Bridgeport Brass Co., Bridgeport, Conn. *27

2859. VATS, CEDAR.
Brennan & Colligan, 458 Driggs Av., Brooklyn, N. Y.
Geo. J. Burkhardt's Sons, 239 Chestnut St., Philadelphia, Pa.
Amos H. Hall, 140 Chestnut St., Philadelphia, Pa.
John M. Smith & Sons, 1423 Spring Garden St., Philadelphia, Pa.
Standard Stave Cooperage Co., 160 State St., Boston, Mass.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Geo. Woolford, 2240 N. 9th St., Philadelphia, Pa.

2860. VEGETABLE GLUE.
Diamond Paste Co., Albany, N. Y. *50

A. VEGETABLE SIZE.
Diamond Paste Co., Albany, N. Y. *50

2861. VULCANIZED FIBRE GOODS.
Vulcanized Fibre Co., Wilmington, Del.

2862. WASHERS, LEATHER.
I. G. Marston & Co., 226 Ruggles St., Boston, Mass. *250

2863. WASTE.
Josiah Butler, Lowell, Mass.
H. L. Childs & Co., Pittsburgh, Pa.
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
W. H. Noyes & Bro., Newburyport, Mass.
Olmsted & Tuttle Co., Chicopee, Mass.
B. V. Page & Co., 50 Erie St., Chicago, Ill.
Southern Waste Wks., Ltd., S. 16th St. & Carpenter Av., Phila., Pa.
Troy Waste Mfg. Co., Cohoes, N. Y.
Union Wadding Co., Pawtucket, R. I.
George West, Ballston Spa, N. Y.

A. COTTON WASTE.
John Blakeley & Son, 23 Church St., Philadelphia, Pa.
V. W. Crowson & Co., Westfield, Mass.
K. Egan Co., 14 Heyward St., Brooklyn, N. Y.
E. S. Greeley & Co., 7 Dey St., New York.
Livermore Foundry & Machine Co., Memphis, Tenn.
Massasoit Mfg. Co., Fall River, Mass.
Olmsted & Tuttle Co., Chicopee, Mass.
Troy Waste Mfg. Co., Cohoes, N. Y.
David Sykes, 2080 E. Dauphin St., Philadelphia, Pa.
F. B. Wiggins & Co., E. Saginaw, Mich.

B. SPINNING & BATTING WASTE.
Olmsted & Tuttle Co., Chicopee, Mass.

C. WOOL WASTE.
Beach & Co., Hartford, Conn.
John Blakeley & Son, 23 Church St., Philadelphia, Pa.
Wm. Johnston, 1067 N. Front St., Philadelphia, Pa.
Livermore Foundry & Machine Co., Memphis, Tenn.
Olmsted & Tuttle Co., Chicopee, Mass.
David Sykes, 2080 E. Dauphin St., Philadelphia, Pa.
Troy Waste Mfg. Co., Cohoes, N. Y.
G. Wooley & Son, Hartford, Conn.

2864. WEATHER STRIPS.

A. METALLIC WEATHER STRIPS.
Patent Metallic Weather Strip Co., 74 W. 23d St., New York.
Samuel Roebuck, 172 Fulton St., New York.

B. RUBBER WEATHER STRIPS.
D. W. Bosley & Co., 210 Washington Boulevard, Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Courtenay & Trull, 14 Dey St., New York.
John S. Gage, 27 Barclay St., New York.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Patent Metallic Weather Strip Co., 74 W. 23d St., New York.
Protective Ventilator Co., 153 Fulton St., New York.
Samuel Roebuck, 172 Fulton St., New York.
United Rubber Co., Trenton, N. J.
Wm. T. Valentine & Son, Albany, N. Y.

2865. WELL SUPPLIES.
A. D. Cook, Lawrenceburgh, Ind.
Flint & Walling Mfg. Co., Kendallville, Ind. *139
Goulds & Caldwell Co., 22 N. Canal St., Chicago, Ill.
Gray Bros. & Co., Milwaukee, Wis.
Irrigation Pump Co., Greeley, Col.
Monitor Mfg. Co., Auburn, Ind.
Morgan, Kelley & Taneyhill, Waterloo, Iowa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.
R. R. Rouse, Indianapolis, Ind.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Williams Mfg. Co., Kalamazoo, Mich.

A. DRIVE WELL OUTFITS.
W. D. Andrews & Bro., 233 Broadway, New York.
Fort Worth Iron Works, Fort Worth, Tex.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.

B. OIL WELL SUPPLIES.
Emery Mfg. Co , Bradford, Pa.
Hardwicke & Ware, Buffalo, N. Y.
Oil Well Supply Co., Pittsburgh, Pa.
Pierce Artesian & Oil Well Supply Co., 80 Beaver St., New York.

2866. WHALEBONE.
Chas. A. Steltmann, 88 Walker St., New York.

2867. WHEELS.

A. AGRICULTURAL IMPLEMENT WHEELS.
Bettendorf Metal Wheel Co., Davenport, Iowa.
Niles & Scott Co., La Porte, Ind.
Turnbull Wagon Co., Defiance, O.

B. EDGER WHEELS.
E. C. Atkins & Co., Indianapolis, Ind. *198

C. IRON WHEELS.
Gendron Iron Wheel Co., Toledo, O.
Niles & Scott Co., La Porte, Ind.
Tricycle Mfg. Co., Springfield, O.

D. METAL WHEELS.
Bettendorf Metal Wheel Co., Davenport, Iowa.
Howell Wheel Co., Covington, Ky.

Niles & Scott Co., La Porte, Ind.
Peru Plow & Wheel Co., Peru, Ill.
Quincy Metal Wheel Co., Quincy, Ill.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.
Toledo Metal Wheel Co., Toledo, O.
Tuthill Spring Co., Hammond, Ind.

E. STEEL WHEELS.
Boies Steel Wheel Co., Scranton, Pa.
Niles & Scott Co., La Porte, Ind.
Sheffield Velocipede Car Co., Three Rivers, Mich.
Tricycle Mfg. Co., Springfield, O.

F. STEEL WIRE WHEELS.
Gendron Iron Wheel Co., Toledo, O.

G. TRUCK WHEELS, RUBBER COVERED.
George P. Clark, Windsor Locks, Conn.
Goodyear Rubber Co., 487 Broadway, New York.

H. TRUCK WHEELS & STANDS.
Archibald Wheel Co., Lawrence, Mass.
George P. Clark, Windsor Locks, Conn.
Phineas Jones & Co., Newark, N. J.
New York Car Wheel Works, Buffalo, N. Y.

I. WOOD WHEELS.
Diamond Machine Co., Providence, R. I.
Niles & Scott Co., La Porte, Ind.
Turnbull Wagon Co., Defiance, O.

2868. WHIP MOUNTINGS.
S. W. Evans & Son, 4263 Paul St., Philadelphia, Pa.
L. Winckler, 142 Fulton St., New York.

2869. WOOL.
Thos. Bailey & Co., San Francisco, Cal.
Christy & Wise, San Francisco, Cal.
Denny, Rice & Co., 606 Atlantic Av., Boston, Mass.
Dewey, Gould & Co., 600 Atlantic Av., Boston, Mass.
Fenno Bros. & Childs, 117 Federal St., Boston, Mass.
E. A. Greene & Co., 25 Letitia St., Philadelphia, Pa.
Justice, Bateman & Co., 122 S. Front St., Philadelphia, Pa.
Koshland Bros., Portland, Ore.
S. Koshland & Co., San Francisco, Cal.
Luce & Manning, 138 Federal St., Boston, Mass.
Benj. McLean & Co., Kansas City, Mo.
C. Metz & Bro., Sherman, Tex.
Henry C. Moses, 112 Federal Court, Boston, Mass.
A. Muelhausen, Cleveland, O.
Orrin W. Munger, St. Johns, Clinton Co., Mich.
Nichols, Dupee & Co., 590 Atlantic Av., Boston, Mass.
Platshek & Harris, San Francisco, Cal.
W. T. Tilden, 252 N. Front St., Philadelphia, Pa.
T. B. Townsend & Son, 131 Devonshire St., Boston, Mass.
Williams & Coburn, 105 Federal St., Boston, Mass.

2870. WOOL EXTRACTS.
J. A. Bowen, S. Acton, Mass.
Connor Bros., Holyoke, Mass.
Johnson Extract Wool Co., 88 Reade St., New York.

2871. ZINC BINDING.
U. S. Metallic Binding Co., Painesville, O.

2872. ZINC OXIDE.
Lehigh Zinc & Iron Co., Bethlehem, Pa.
Mineral Point Zinc & Iron Co., Mineral Point, Wis.
New Jersey Zinc & Iron Co., Newark, N. J.
Passaic Zinc Co., 111 Liberty St., New York.

XLI. VARNISHES.

2873. DRYERS.
Berry Bros., Detroit, Mich.
Emil Calman & Co., 299 Pearl St., New York.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Chas. H. Howell & Co., 212 Race St., Philadelphia, Pa.
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
D. R. Paige & Co., Akron, O.
F. O. Pierce & Co., 170 Fulton St., New York.
L. A. Platt & Co., Waterbury, Conn.
Pratt & Lambert, 47 John St., New York.
Thresher & Co., Dayton, O.

A. JAPAN DRYERS.
Berry Bros., Detroit, Mich.
Cleveland Varnish Co., Cleveland, O. *96
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
F. O. Pierce & Co., 170 Fulton St., New York.
L. A. Platt & Co., Waterbury, Conn.
Pratt & Lambert, 47 John St., New York.
Thresher & Co., Dayton, O.

B. LIQUID DRYERS.
Berry Bros., Detroit, Mich.
Emil Calman & Co., 299 Pearl St., New York.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
L. A. Platt & Co., Waterbury, Conn.
Pratt & Lambert, 47 John St., New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

C. TRANSPARENT DRYERS.
Berry Bros., Detroit, Mich.
Bridgeport Wood Finishing Co., New Milford, Conn.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.

2874. FINISH.

A. OIL FINISH.
Berry Bros., Detroit, Mich.
Bridgeport Wood Finishing Co., New Milford, Conn.
Emil Calman & Co., 299 Pearl St., New York.
Cleveland Varnish Co., Cleveland, O. *96
David B. Crockett Co., 84 William St., New York.
F. W. Devoe & Co., Fulton & William St., New York.
Essex Paint Works, Essex, Conn.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St , New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
F. O. Pierce & Co., 170 Fulton St., New York.
Pratt & Lambert, 47 John St , New York.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

B. WAX FINISH.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Longman & Martinez, 207 Pearl St., New York.

C. WOOD FINISH.
Chas. Baker & Co., Worcester, Mass.
Bridgeport Wood Finishing Co., New Milford, Conn.
Cleveland Varnish Co., Cleveland, O. *96
David B. Crockett Co., 84 William St., New York.
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
C. T. Raynolds & Co., 106 Fulton St., New York.
C. A. Woolsey Paint & Color Co., Jersey City. N. J.

2875. GOLD SIZE.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
John S. Chase, 197 Chrystie St., New York.
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Cleveland Varnish Co., Cleveland, O. *96
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
L. A. Salomon & Bro., 216 Pearl St., New York.

2876. JAPANS.
John L. Armitage & Co., Newark, N. J.
Ault & Wiborg Co., foot of New St., Cincinnati, O.
John Babcock & Co., 104 Water St., Boston, Mass.

Berry Bros., Detroit, Mich.
Moses Bigelow & Co., Newark, N. J.
Bridgeport Wood Finishing Co., New Milford, Conn.
Emil Calman & Co., 299 Pearl St., New York.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hampden Paint & Chemical Co., Springfield, Mass.
Longman & Martinez, 207 Pearl St., New York.
John W. Masury & Son, Bennett Building, New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Minett & Co., 16 N. 12th St., Philadelphia, Pa.
Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
D. R. Paige & Co., Akron, O.
Parrott Varnish Co., Bridgeport, Conn.
Pratt & Lambert, 47 John St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
Thresher & Co., Dayton, O.
U. S. Varnish Co., 258 Colerain Av., Cincinnati, O.

2877. LACQUERS.
J. C. Bowe, Syracuse, N. Y.
Marx & Rawolle, 163 William St., New York.
Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.
Wm. Zinsser & Co., 197 William St., New York.
Zucker & Levett Chemical Co., Flushing, L. I., N. Y.

2878. MEDIUMS.

A. ARTISTS' MEDIUMS.
F. W. Devoe & Co., Fulton & William Sts., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

B. CHINA DECORATORS' MEDIUMS.
C. T. Raynolds & Co., 106 Fulton St., New York.

2879. PATENT LEATHER ENAMEL.
Berry Bros., Detroit, Mich.
Blanchard Bros. & Lane, Newark, N. J.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.

2880. POLISH.

A. CARRIAGE POLISH.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
Hotopp & Co., 467 Canal St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.

B. FLOOR POLISH.
Bridgeport Wood Finishing Co., New Milford, Conn.
Butcher Polish Co., 9 Haverhill St., Boston, Mass.
Hotopp & Co., 467 Canal St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.

C. FURNITURE POLISH.
Acme White Lead & Color Works, Detroit, Mich.
Bridgeport Wood Finishing Co., New Milford, Conn.
Chicago Wood Finishing Co., 259 Elston Av., Chicago, Ill.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
Hotopp & Co., 467 Canal St., New York.

2881. SHELLACS.
H. J. Baker & Bro., 215 Pearl St., New York.
Berry Bros., Detroit, Mich.
Cleveland Varnish Co., Cleveland, O. *96
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
E. Käsebier & Co., 445 Water St., New York.
Longman & Martinez, 207 Pearl St., New York.
Marx & Rawolle, 163 Williams St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Neumann & Herman, 241 Water St., New York.
F. O. Pierce & Co., 170 Fulton St., New York.
Pratt & Lambert, 47 John St., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.
Rogers & Pyatt, 80 Maiden Lane, New York.
Wm. Zinsser & Co., 197 William St., New York.

2882. VARNISHES.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Moses Bigelow & Co., Newark, N. J.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Bridgeport Wood Finishing Co., New Milford, Conn.
Emil Calman & Co., 299 Pearl St., New York.
D. B. Crockett Co., 84 William St., New York.
Detroit White Lead Works, 101 Jones St., Detroit, Mich.
F. W. Devoe & Co., Fulton & William Sts., New York.
Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.

Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Glidden & Joy Varnish Co., Cleveland, O.
Hampden Paint & Chemical Co., Springfield, Mass.
Louis G. Hoffman, 2726 De Kalb St., St. Louis, Mo.
Hotopp & Co., 467 Canal St., New York.
Chas. H. Howell & Co., 212 Race St., Philadelphia, Pa.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
John W. Masury & Son, Bennett Building, New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Minett & Co., 16 N. 12th St., Philadelphia, Pa.
Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
New York Enamel Paint Co., 240 Pearl St., New York.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
Parrott Varnish Co., Bridgeport, Conn.
Charles C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
Pratt & Lambert, 47 John St., New York.
Queen City Varnish Co., 8th & Evans Sts., Cincinnati, O.
C. T. Raynolds & Co., 106 Fulton St., New York.
A. Robbins Varnish Co., 1537 N. 8th St., St. Louis, Mo.
Sherwin-Williams Co., Cleveland, O.
Robt. Shoemaker & Co., 201 S. 4th St., Philadelphia, Pa.
Edward Smith & Co., 147 Times Building, New York.
Standard Varnish Works, 734 E. 14th St., New York.
Thresher & Co., Dayton, O.
D. F. Tiemann & Co., 44 W. Broadway, New York.
Troy Paint & Color Works, Troy, N. Y.
Valentine & Co., 245 Broadway, New York.
U. S. Varnish Co., 258 Colerain Av., Cincinnati, O.
Wadsworth, Howland & Co., 84 Washington St., Boston, Mass.
Herman Wolf & Co., Wade betw. Dalton & McLean Av., Cin., O.

A. AGRICULTURAL VARNISH.

Berry Bros., Detroit, Mich.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Emil Calman & Co., 299 Pearl St., New York.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Mica Roofing Co., 73 Maiden Lane, New York.
Murphy Varnish Co., Newark, N. J.
New York Coal Tar Chemical Co., 10 Warren St., New York.
New York Enamel Paint Co., 240 Pearl St., New York.
Parrott Varnish Co., Bridgeport, Conn.
Howard H. Paul, 99 Fulton St., Boston, Mass.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
Pratt & Lambert, 47 John St., New York.
Queen City Varnish Co., 8th & Evans Sts., Cincinnati, O.
St. Louis Coal Tar Co., Levee & Convent Sts., St. Louis, Mo.
J. W. Stickney & Co., 64 Broad St., Boston, Mass.
Thresher & Co., Dayton, O.
Valentine & Co., 245 Broadway, New York.

B. ARTISTS' VARNISHES.

Berry Bros., Detroit, Mich.
F. W. Devoe & Co., Fulton & William Sts., New York.
Hotopp & Co., 467 Canal St., New York.
Murphy Varnish Co., Newark, N. J.
C. T. Raynolds & Co., 106 Broadway, New York.

C. ASPHALTUM VARNISH.

Berry Bros., Detroit, Mich.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
New York Enamel Paint Co., 240 Pearl St., New York.
D. R. Paige & Co., Akron, O.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.

	C. A. Wooisey Paint & Color Co., Jersey City, N. J.	
D. BLACK VARNISH.	Berry Bros., Detroit, Mich.	
	Clarence Brooks & Co., 413 W. 12th St., New York.	*93
	F. W. Devoe & Co., Fulton & William Sts., New York.	
	Mica Roofing Co., 73 Maiden Lane, New York.	
	New York Coal Tar Chemical Co., 10 Warren St., New York.	
	Howard H. Paul, 99 Fulton St., Boston, Mass.	
	St. Louis Coal Tar Co., Levee & Convent Sts., St. Louis, Mo.	
E. BREWERS' VARNISH.	Ebner, Aldag & Co., Indianapolis, Ind.	
	Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.	
	Hotopp & Co., 467 Canal St., New York.	
	Marx & Rawolle, 163 William St., New York.	
	Mayer & Loewenstein, 80 Beekman St., New York.	
	Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.	
	Queen City Varnish Co., 8th & Evans Sts., Cincinnati, O.	
	Valentine & Co., 245 Broadway, New York.	
	Wm. Zinsser & Co., 197 William St., New York.	
ABINET VARNISH.	Berry Bros., Detroit, Mich.	
	Moses Bigelow & Co., Newark, N. J.	
	Clarence Brooks & Co., 403 W. 12th St., New York.	*93
	Emil Calman & Co., 299 Pearl St., New York.	
	Cleveland Varnish Co., Cleveland, O.	*96
	F. W. Devoe & Co., Fulton & William Sts., New York.	
	Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.	
	Glidden & Joy Varnish Co., Cleveland, O.	
	Hotopp & Co., 467 Canal St., New York.	
	Longman & Martinez, 207 Pearl St., New York.	
	John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.	
	Mayer & Loewenstein, 80 Beekman St., New York.	
	Minett & Co., 16 N. 12th St., Philadelphia, Pa.	
	Murphy Varnish Co., Newark, N. J.	
	New York Enamel Paint Co., 240 Pearl St., New York.	
	Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.	
	Pratt & Lambert, 47 John St., New York.	
	Price, Bond & Co., Newark, N. J.	
G. CARRIAGE VARNISH.	John L. Armitage & Co., Newark, N. J.	
	John Babcock & Co., 104 Water St., Boston, Mass.	
	Babcock Varnish Co., 156 Western Av., Boston, Mass.	
	Berry Bros., Detroit, Mich.	
	Moses Bigelow & Co., Newark, N. J.	
	Billings, Taylor & Co., Cleveland, O.	
	Clarence Brooks & Co., 403 W. 12th St., New York.	*93
	Emil Calman & Co., 299 Pearl St., New York.	
	Cleveland Varnish Co., Cleveland, O.	*96
	Detroit White Lead Works, Detroit, Mich.	
	F. W. Devoe & Co., Fulton & William Sts., New York.	
	Felton, Rau & Sibley, 136 N. 4th St., Philadelphia, Pa.	
	Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.	
	Hotopp & Co., 467 Canal St., New York.	
	Lawson Valentine Co., 142 Times Bldg., New York.	
	Longman & Martinez, 207 Pearl St., New York.	
	John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.	
	John W. Masury & Son, Bennett Building, New York.	
	Mayer & Loewenstein, 80 Beekman St., New York.	
	Minett & Co., 16 N. 12th St., Philadelphia, Pa.	
	Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.	
	Murphy Varnish Co., Newark, N. J.	
	Parrott Varnish Co,, Bridgeport, Conn.	
	Chas. C. Phillips Co., Kensington & Erie Sts., Phila., Pa.	
	F. O. Pierce & Co., 170 Fulton St., New York.	
	Pratt & Lambert, 47 John St., New York.	
	Queen City Varnish Co., 8th & Evans Sts., Cincinnati, O.	
	C. T. Raynolds, & Co., 106 Fulton St., New York.	
	C. Schrack & Co., 152 N. 4th St., Philadelphia, Pa.	
	Seeley Bros., 32 Burling Slip, New York.	
	Edw. Smith & Co., 147 Times Bldg., New York.	
	Thresher & Co., Dayton, O.	
	Valentine & Co., 245 Broadway, New York.	
	C. H. W. Wellpott, 3220 N. Broadway, St. Louis, Mo.	
	Geo. L. Wood & Son, 246 Pearl St., New York.	
H. CELLULOID VARNISH.	Celluloid Varnish Co., Newark, N. J.	
	Cleveland Varnish Co., Cleveland, O.	*96
	Longman & Martinez, 207 Pearl St., New York.	
	Murphy Varnish Co., Newark, N. J.	
I. DIPPING VARNISH.	Berry Bros., Detroit, Mich.	
	J. C. Bowl, 36 E. Genesee St., Syracuse, N. Y.	

Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Murphy Varnish Co., Newark, N. J.
Chas. C. Phillips Co., Kensington & Erie Sts., Phila., Pa.

J. FURNITURE VARNISH.
John L. Armitage & Co., Newark, N. J.
Berry Bros., Detroit, Mich.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Emil Calman & Co., 299 Pearl St., New York.
Cleveland Varnish Co., Cleveland, O. *96
Detroit White Lead Works, Detroit, Mich.
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Phila., Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
L. A. Platt & Co., Waterbury, Conn.
Pratt & Lambert, 47 John St., New York.
Thresher & Co., Dayton, O.
C. H. W. Wellpott, 3220 N. Broadway, St. Louis, Mo.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

K. GEAR VARNISH.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Phila., Pa.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

L. INTERIOR VARNISH.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Cleveland Varnish Co., Cleveland, O. *96
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
N. Y. Enamel Paint Co., 240 Pearl St., New York.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Phila., Pa.
Pratt & Lambert, 47 John St., New York.
Seeley Bros., 32 Burling Slip, New York.

M. JAPANNERS' VARNISHES.
Berry Bros., Detroit, Mich.
Cleveland Varnish Co., Cleveland, O. *96
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Minett & Co., 16 N. 12th St., Philadelphia, Pa.
Murphy Varnish Co., Newark, N. J.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
Pratt & Lambert, 47 John St., New York.

N. LEATHER TOP VARNISHES.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.

O. MARBLEIZERS' VARNISHES
Berry Bros., Detroit, Mich.
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.

Mayer & Loewenstein, 80 Beekman St., New York.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.

P. OIL CLOTH VARNISH.
Berry Bros., Detroit, Mich.
Emil Calman & Co., 299 Pearl St., New York.
F. W. Devoe & Co., Fulton & William Sts., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Chas. C. Phillips Co., Kensingston & Erie Sts., Philadelphia, Pa.
Valentine & Co., 245 Broadway, New York.

Q. PIANO VARNISHES.
Berry Bros, Detroit, Mich.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Cleveland Varnish Co., Cleveland, O. *96
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
Valentine & Co., 245 Broadway, New York.

R. RAILWAY VARNISH.
John L. Armitage & Co., Newark, N. J.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Moses Bigelow & Co., Newark, N. J.
Billings, Taylor & Co., Cleveland, O.
Clarence Brooks & Co., 403 W. 12th St., New York. *93
Emil Calman & Co., 99 Pearl St., New York.
Chicago Varnish Co., 204 Pine St., Chicago, Ill.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hotopp & Co., 467 Canal St., New York.
Longman & Martinez, 207 Pearl St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Minett & Co., 16 N. 12th St., Philadelphia, Pa.
Moller & Schumann, Gerry St. cor. Marcy Av., Brooklyn, N. Y.
Murphy Varnish Co., Newark, N. J
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
F. O. Pierce & Co., 170 Fulton St., New York.
Pratt & Lambert, 47 John St., New York.
Queen City Varnish Co., 8th & Evans Sts., Cincinnati, O.
C. T. Raynolds & Co., 106 Fulton St., New York.
Lawson Valentine Co., 142 Times Bldg., New York.
Thresher & Co., Dayton, O.
Valentine & Co., 245 Broadway, New York.

S. RUBBING VARNISH.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Emil Calman & Co., 299 Pearl St., New York.
Cleveland Varnish Co., Cleveland, O. *96
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Longman & Martinez, 207 Pearl St., New York.
Murphy Varnish Co., Newark, N. J.
New York Enamel Paint Co., 240 Pearl St., New York.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
Pratt & Lambert, 47 John St., New York.
Thresher & Co., Dayton, O.
C. A. Woolsey Paint & Color Co., Jersey City, N. J.

T. SHELLAC VARNISH.
M. L. Barrett, 238 Randolph St., Chicago, Ill.
Berry Bros., Detroit, Mich.
Cleveland Varnish Co., Cleveland, O. *96
Detroit White Lead Works, Detroit, Mich.
F. W. Devoe & Co., Fulton & William Sts., New York.
Glidden & Joy Varnish Co., Cleveland, O.
Longman & Martinez, 207 Pearl St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
New York Enamel Paint Co., 240 Pearl St., New York.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
Pratt & Lambert, 47 John St., New York.
Rogers & Pyatt, 80 Maiden Lane, New York.

L. A. Salomon & Bro., 216 Pearl St., New York.

U. SPAR VARNISH.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Emil Calman Co., 299 Pearl St., New York.
D. B. Crockett Co., 84 William St., New York.
F. W. Devoe & Co., Fulton & William Sts., New York.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
New York Enamel Paint Co., 240 Pearl St., New York.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
Pratt & Lambert, 47 John St., New York.

V. SPIRIT VARNISHES.
E. Käsebier & Co., 445 Water St., New York.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Pratt & Lambert, 47 John St., New York.
Rogers & Pyatt, 80 Maiden Lane, New York.

W. TAG VARNISH.
Berry Bros., Detroit, Mich.
L. A. Platt & Co., Waterbury, Conn.

X. WAGON VARNISH.
John Babcock & Co., 104 Water St., Boston, Mass.
Berry Bros., Detroit, Mich.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
John Lucas & Co., 141 N. 4th St., Philadelphia, Pa.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
New York Enamel Paint Co., 240 Pearl St., New York.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.

Y, WHIP VARNISH.
John L. Armitage & Co., Newark, N. J.
Berry Bros., Detroit, Mich.
Chas. H. Gillespie & Sons, 74 Cortlandt St., New York.
Hampden Paint & Chemical Co., Springfield, Mass.
Mayer & Loewenstein, 80 Beekman St., New York.
Murphy Varnish Co., Newark, N. J.
Parrott Varnish Co., Bridgeport, Conn.
Chas. C. Phillips Co., Kensington & Erie Sts., Philadelphia, Pa.
L. A. Platt & Co., Waterbury, Conn.
Edward Smith & Co., 147 Times Building, New York.

XLII. VEHICLES AND PARTS.

2883. ANTI-SHAFT RATTLERS.

American Shaft Holder Co., Wabash, Ind.
Boston Belting Co., 256 Devonshire St., Boston, Mass.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Conant Rubber Co., Hartford, Conn.
Garry Iron & Steel Roofing Co., Cleveland, O. *44
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., 15 Park Row, New York.
Selle Gear Co., Akron, O.
Trenton Rubber Co., Trenton, N. J.
Wilcox & Howe, Birmingham, Conn.

2884. APRONS.

Carriage Apron Mfg. Co., Elmira, N. Y.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
J. F. Goodrich & Co., New Haven, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Nease, McLean & McGinniss, Pittsburgh, Pa.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.

A. APRON FASTENERS.
Allender & Knous, Greystone, Conn.
C. Cowles & Co., New Haven, Conn.

English & Mersick, New Haven, Conn.
Wilcox & Howe, Birmingham, Conn.

2885. AXLES, CARRIAGE & WAGON.

A. CARRIAGE AXLES.

Advena & Trankle, Montgomery Av. cor. N. 12th St., Phila., Pa.
Ahlborn & Neckerman, Pittsburgh, Pa.
Casho Machine Co., Wilmington, Del.
Cleveland Axle Mfg. Co., Cleveland, O.
Concord Axle Co., Penacook, N. H.
Dalzell Axle Co., S. Egremont, Mass.
Drummond Mfg. Co., Louisville, Ky.
F. Gardner & Sons, Carlisle, Pa.
Hartford Axle Works, Norfolk, Conn.
Houston, Hay & Son, Coshocton, O.
Ives & Miller, New Haven, Conn.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Kimley Iron & Machine Co., Canton, Mass.
Liggett Spring & Axle Co., Pittsburgh, Pa.
Rochester Axle Co., Rochester, N. Y.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.
Smith Bros. & Co., Pittsburgh, Pa.
Spears Axle Co., Wheeling, W. Va.
Standard Axle Mfg. Co., Wheeling, W. Va.
Tomlinson Spring Co., Newark, N. J.
John Watson, Trenton, N. J.
Wentworth Spring & Axle Co., Norfolk, Conn.
Chas. Wing & Co., Amesbury, Mass.

B. CONCORD AXLES.

Abbot Downing Co., Concord, N. H.
Advena & Trankle, Montgomery Av. cor. N. 12th St., Phila., Pa.
Ahlborn & Neckerman, Pittsburgh, Pa.
Casho Machine Co., Wilmington, Del.
Cleveland Axle Mfg. Co., Cleveland, O.
Concord Axle Co., Penacook, N. H.
Dalzell Axle Co., S. Egremont, Mass.
Drummond Mfg. Co., Louisville, Ky.
F. Gardner & Sons, Carlisle, Pa.
Hartford Axle Works, Norfolk, Conn.
Houston, Hay & Son, Coshocton, O.
Ives & Miller, New Haven, Conn.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Kinsley Iron & Machine Co., Canton, Mass.
Liggett Spring & Axle Co., Pittsburgh, Pa.
Rochester Axle Co.. Rochester, N. Y.
Sheldon Axle Co., Wilkes Barre, Pa.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.
Smith Bros. & Co., Pittsburgh, Pa.
Standard Axle Mfg. Co., Wheeling, W. Va.
Tomlinson Spring Co., Newark, N. J.
John Watson, Trenton, N. J.
Wood, Smith & Co., Fort Plain, N. Y.
F. W. Wurster & Co., 375 Kent Av., Brooklyn, N. Y.

C. SULKY AXLES.

Ahlborn & Neckerman, Pittsburgh, Pa.
Casho Machine Co., Wilmington, Del.
Cleveland Axle Mfg. Co., Cleveland, O.
Concord Axle Co., Penacook, N. H.
Dalzell Axle Co., S. Egremont, Mass.
J. W. Dann Mfg. Co., Columbus, O.
Drummond Mfg. Co., Louisville, Ky.
F. Gardner & Sons, Carlisle, Pa.
Hartford Axle Works, Norfolk, Conn.
Hofmann & Ellrodt, 91 Mercer St., New York.
Houston, Hay & Son, Coshocton, O.
Ives & Miller, New Haven, Conn.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Kinsley Iron & Machine Co., Canton, Mass.
Liggett Spring & Axle Co., Pittsburgh, Pa.
Rochester Axle Co., Rochester, N. Y.
Sheldon Axle Co., Wilkes Barre, Pa.
Singer, Nimick & Co., Ltd., Pittsburgh, Pa.
Smith Bros. & Co., Pittsburgh, Pa.
Standard Axle Mfg. Co., Wheeling, W. Va.
Tomlinson Spring Co., Newark, N. J.
John Watson, Trenton, N. J.
Wood, Smith & Co., Fort Plain, N. Y.
F. W. Wurster & Co., 375 Kent Av., Brooklyn, N. Y.

D. TUBULAR AXLES.

American Axle & Wheel Co., 143 Liberty St., New York.
National Tube Works Co., 70 Federal St., Boston, Mass.

E. WAGON AXLES.

Advena & Trankle, Montgomery Av. c. N. 12th St., Phila., Pa.
Allentown Platform Gear Co., Allentown, Pa.
Alhborn & Neckerman, Pittsburgh, Pa.
Atlanta Bridge & Axle Co., Atlanta, Ga.
Buffalo Patent Axle & Wheel Co., Buffalo, N. Y.
Casho Machine Co., Wilmington, Del.
Cleveland Axle Mfg. Co., Cleveland, O.
Concord Axle Co., Penacook, N. H.
Dalzell Axle Co., S. Egremont, Mass.
F. Gardner & Sons, Carlisle, Pa.
Hartford Axle Works, Norfolk, Conn.
Houston, Hay & Son, Coshocton, O.
Ives & Miller, New Haven, Conn.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Kinsley Iron & Machine Co., Canton, Mass.
Liggett Spring & Axle Co., Pittsburgh, Pa.
Rochester Axle Co., Rochester, N. Y.
Sheldon Axle Co., Wilkes Barre, Pa.
Smith Bros. & Co., Pittsburgh, Pa.
Spear's Axle Co., Wheeling, W. Va.
Standard Axle Works, Wheeling, W. Va.
Tomlinson Spring Co., Newark, N. J.
Union Foundry & Machine Works, Mansfield, O.
John Watson, Trenton, N. J.
Wood, Smith & Co., Fort Plain, N. Y.
F. W. Wurster & Co., 375 Kent Av., Brooklyn, N. Y.

2886. BODIES.

A. CARRIAGE BODIES.

Bellefontaine Carriage Body Co., Bellefontaine, O.
Biddle & Smart Co., Amesbury, Mass. *243
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12-15
Currier, Cameron & Co., Amesbury, Mass.
Dann Bros. & Co., New Haven, Conn.
Excelsior Carriage Goods Co., Gest & Summer Sts., Cincinnati, O.
La Porte Wood Mfg. Co., La Porte, Ind.
Powitzky & Collins, 819 S. 3d St., St. Louis, Mo.
C. R. & J. C. Wilson Carriage Co., Detroit, Mich.
A. M. Wood, 57 Beverly St., Boston, Mass.

B. HEARSE BODIES.

Dann Bros. & Co., New Haven, Conn.

C. WAGON BODIES.

Dann Bros. & Co., New Haven, Conn.
Holt Bros. Mfg. Co., Concord, N. H.

2887. BOOTS.

C. Z. Kroh & Co , Toledo, O.
Nease, McLean & McGinniss, Pittsburgh, Pa.

A. WAGON BOOTS, OILED.

John F. Carter, Beverly, Mass.

2888. BOWS.

A. BOW SOCKETS.

Ashtabula Carriage Bow Co., Ashtabula, O.
Metal Stamping Co., 406 E. 32d St., New York.
I. N. Topliff Mfg. Co., Cleveland, O.

B. CARRIAGE BOWS.

L. Bastetter, Fort Wayne, Ind.
S. N. Brown & Co., Dayton, O.
W. T. Craft, Trenton, N. J.
Cunningham & Co., Fostoria, O.
Dann Bros. & Co., New Haven, Conn.
Downey Bros., Lancaster, Pa.
Eagle Spoke & Bending Works, 241 N. Queen St., Lancaster, Pa.
Oscar S. Gillette, Indianapolis, Ind.
J. A. Gleason & Bros., Van Wert, O.
New England Wheel Co., Bridgeport, Conn.
L. W. Sargent, Newburyport, Mass.
Topliff & Ely Co., Elyria, O.
I. N. Topliff Mfg. Co., Cleveland, O.
Wheel & Wood Bending Co., Bridgeport, Conn.
A. M. Wood, 51 Beverly St., Boston, Mass.

C. WAGON BOWS.

W. T. Craft, Trenton, N. J.
Dann Bros. & Co., New Haven, Conn.
Oscar S. Gillette, Indianapolis, Ind.

2889. BOXES, WAGON.

John Savery's Son & Co., 97 Beekman St., New York.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.
Wrenn, Whitehurst & Co., Norfolk, Va.

2890. BRACES.

A. KING BOLT BRACES.

M. Seward & Son, New Haven, Conn.

B. SLEIGH BRACES.

Eberhard Mfg. Co., Cleveland, O.
H. D. Smith & Co., Plantsville, Conn.

C. TOP BRACES.

E. D. Clapp Mfg. Co., Auburn, N. Y.
C. Cowles & Co., New Haven, Conn.
English & Mersick, New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

D. WAGON BOX BRACES.
Eberhard Mfg. Co., Cleveland, O.
Pratt & Letchworth, Buffalo, N. Y.

2891. BRAKES, WAGON.
Belle City Mfg. Co., Racine, Wis.
Cleveland Hardware Co., Cleveland, O.
S. Freeman & Sons Mfg. Co., Racine, Wis.
F. Giesler & Co., Muscatine, Iowa.
Hurlbut Mfg. Co., Racine Junction, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.

A. BRAKE HOLDERS.
Pratt & Letchworth, Buffalo, N. Y.

B. BRAKE LOCKS.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Hurlbut Mfg. Co., Racine Junction, Wis.

2892. BREAKING CARTS.
Bohanon & Williams, 163 Ogden Av., Chicago, Ill.

2893. BROUGHAMS.
H. H. Babcock Co., Watertown, N. Y.
J. B. Brewster & Co., 145 E. 25th St., New York.
Tom Connolly, cor. 7th & Iowa Sts., Dubuque, Iowa.
A. T. Demarest & Co., 335 5th Av., New York.
Ferd. F. French & Co., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Hincks & Johnson, Bridgeport, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
B. Manville & Co., New Haven, Conn.
J. M. Quimby & Co., Newark, N. J.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Lansingburgh, N. Y.

2894. BUCKBOARDS.
Am. Cart Co., Kalamazoo, Mich.
H. H. Babcock Co., Watertown, N. Y.
Benicia Agricultural Works, Benicia, Cal.
Biddle & Smart Co., Amesbury, Mass. *243
Connersville Buggy Co., Connersville, Ind.
Tom Connolly, cor. 7th & Iowa Sts., Dubuque, Iowa.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Cortland Wagon Co., Cortland, N. Y.
Dann Bros. & Co., New Haven, Conn.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
Geo. Enger & Co., Gest & Summer Sts., Cincinnati, O.
W. S. Frazier & Co., Aurora, Ill.
Ferd. F. French & Co., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
Hitchcock Mfg. Co., Cortland, N. Y.
Henry Killam Co., Broadway & W. 54th St., New York.
A. H. Mason, Battle Creek, Mich.
Milburn Wagon Co., Toledo, O.
Queen City Carriage Co., Buffalo, N. Y.
O. H. Short & Co., Syracuse, N. Y.
R. M. Stivers, 150 E. 31st St., New York.
B. F. & H. L. Sweet, Fond-du-Lac, Wis.
Troy Carriage Works, Lansingburgh, N. Y.
Union Carriage & Gear Co., Watertown, N. Y.
Ward Carriage Co., Newark, O.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Youngstown Carriage & Wagon Co., Youngstown, O.

2895. BUGGIES.
H. H. Babcock Co., Watertown, N. Y.
Bay City Buggy Co., Bay City, Mich.
Biddle & Smart Co., Amesbury, Mass. *243
Birdsell Mfg. Co., South Bend, Ind.
Bohanon & Williams, 163 Ogden Av., Chicago, Ill.
Bradley & Co., Syracuse, N. Y.
Bradley, Holton & Co., Indianapolis, Ind.
Brewster & Co., 1581 Broadway, New York.
J. B. Brewster & Co., 145 E. 25th St., New York.
Briggs Carriage Co., Amesbury, Mass.
Buckeye Buggy Co., Columbus, O.
Buffalo Spring & Gear Co., Buffalo, N. Y.
John Burg & Sons, Burlington, Iowa.
Canton Buggy & Gear Co., Canton, O.
John A. Chockelt, South Bend, Ind.
Collins Mfg. Co., Jackson, Mich.
Columbus Buggy Co., Columbus, O.
Connersville Buggy Co., Connersville, Ind.
Tom Connolly, 7th & Iowa Sts., Dubuque, Iowa.
Cook Carriage Co., 433 Spring Grove Av., Cin., O. *12–15
Coquillard Wagon Works, South Bend, Ind.
Cortland Wagon Co., Cortland, N. Y.
A. T. Demarest & Co., 335 5th Av., New York.

Dennett & Clark, Amesbury, Mass.
Des Moines Buggy Co., Des Moines, Iowa.
Easton & Clark, 164 W. 2d St., Cincinnati, O.
W. G. Ellis & Son, Amesbury, Mass.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
Geo. Enger & Co., Gest & Summer Sts., Cincinnati, O.
Enterprise Carriage Mfg. Co., Court & Sycamore Sts., Cin., O.
Eureka Co., Rock Falls, Ill.
Favorite Carriage Co., 8th & Burns Sts., Cincinnati, O.
E. S. Feltch & Co., Amesbury, Mass.
Fish Bros. Wagon Co., Racine, Wis.
Franklin Buggy Co., Columbus, O. *7
Ferd. F. French & Co., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N Y.
Hamilton Buggy Co., Hamilton, O.
T. T. Haydock Carriage Co., 12th & Plum Sts., Cincinnati, O.
Hitchcock Mfg. Co., Cortland, N. Y.
Kalamazoo Wagon Co., Kalamazoo, Mich.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
C. P. Kimball & Co., Wabash Av. & Harrison Sts., Chicago, Ill.
La Crosse Wallis Carriage Co., La Crosse, Wis.
McFarlan Carriage Co., Connersville, Ind. *8-11
A. H. Mason, Battle Creek, Mich.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Ohio Buggy Co., Columbus, O.
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
Queen City Carriage Co., Buffalo, N. Y.
J. M. Quimby & Co., Newark, N. J.
Racine Wagon & Carriage Co., Racine, Wis.
Ruka Bros. Mfg. Co., Boscobel, Wis.
Rumsey Mfg. Co., Detroit, Mich.
Sayers & Scovill, 51 Colerain Av., Cincinnati, O.
Sechler & Co., 176 E. 5th St., Cincinnati, O.
D. M. Sechler Carriage Co., Moline, Ill.
O. H. Short & Co., Syracuse, N. Y.
Sproul Vehicle Mfg. Co., Pittsburgh, Pa.
Standard Wagon Co., 1000 W. 8th St., Cincinnati, O.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Lansingburgh, N. Y.
Tyson & Jones Buggy Co., Carthage, N. C.
Union Carriage & Gear Co., Watertown, N. Y.
B. Veerkamp & Sons, 469 Walnut St., Cincinnati, O.
Ward Carriage Co., Newark, N. J.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Watertown Spring Wagon Co., Watertown, N. Y.
Youngstown Carriage & Wagon Co., Youngstown, O.

A. CONCORD BUGGIES.
Abbot Downing Co., Concord, N. H.
Cook Carriage Co., 433 Spring Grove Av., Cin., O. *12-15
Queen City Carriage Co., Buffalo, N. Y.

2896. BUGGY BACKS.
J. W. Dann Mfg. Co., Columbus, O.
Kalamazoo Top Co., Kalamazoo, Mich.
Nease, McLean & McGinniss, Pittsburgh, Pa.

2897. CABS.
Abbot Downing Co., Concord, N. H.
Cortland Omnibus & Cab Co., Cortland, N. Y.
R. M. Stivers, 150 E. 31st St., New York.

A. CABRIOLETS.
Buckeye Buggy Co., Columbus, O.
Cook Carriage Co., 433 Spring Grove Av., Cin., O. *12-15
J. F. Goodrich & Co., New Haven, Conn.
McFarlan Carriage Co., Connersville, Ind. *8-11

2898. CARRIAGES.
Abbot Downing Co., Concord, N. H.
Anderson & Harris Carriage Co., Elmwood Place, O.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
R. M. Bingham & Co., Rome, N. Y.
Binghamton Wagon Co., Binghamton, N. Y.
Birdsell Mfg. Co., South Bend, Ind.
Bohanon & Williams, 163 Ogden Av., Chicago, Ill.
Bradley & Co., Syracuse, N. Y.
Brewster & Co., 1581 Broadway, New York.
J. B. Brewster & Co., 141 E. 25th St., New York.
Briggs Carriage Co., Amesbury, Mass.
Geo. L. Brownell, New Bedford, Mass.

Buckeye Buggy Co., Columbus, O.
Buffalo Spring & Gear Co., Buffalo, N. Y.
C. L. Bugbee, Hartford, Vt.
L. M. Burch, Baylis, Ill.
John Burg & Sons, Burlington, Iowa.
John A. Chockelt, South Bend, Ind.
Columbus Buggy Co., Columbus, O.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12-15
Coquillard Wagon Works, South Bend, Ind.
Cortland Wagon Co. Cortland, N. Y.
Jas. Cunningham, Son & Co., Rochester, N. Y.
A. T. Demarest & Co., 335 5th Av., New York.
Dexter Spring Co., Hulton, Pa.
Easton & Clark, 164 W. 2d St., Cincinnati, O.
W. G. Ellis & Son, Amesbury, Mass.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
A. H. English & Co., 141 N. 12th St., Philadelphia, Pa.
Enterprise Carriage Mfg. Co., Court & Sycamore Sts., Cincinnati, O.
Eureka Co., Rock Falls, Ill.
E. S. Feltch & Co., Amesbury, Mass.
Fish Bros. Wagon Co., Racine, Wis.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
Gate City Carriage Co., Winona, Minn.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Hamilton Buggy Co., Hamilton, O.
T. T. Haydock Carriage Co., 12th & Plum Sts., Cincinnati, O.
Henney Buggy Co., Freeport, Ill.
Kalamazoo Wagon Co., Kalamazoo, Mich.
Kauffman Buggy Co., Miamisburg, O.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
La Belle Wagon Works, Fond-du-Lac, Wis.
La Crosse Wallis Carriage Co., La Crosse, Wis.
La Porte Wood Mfg. Co., La Porte, Ind.
J. A. Lancaster & Co., Merrimac, Mass.
McCardell, West & Farrell, Trenton, N. J.
McFarlan Carriage Co., Connersville, Ind. *8-11
McMurray & Fisher, Marion, O.
B. Manville & Co., New Haven, Conn.
Milburn Mfg. Co., cor. 7th St. & Cass Av., St. Louis, Mo.
Milburn Wagon Co., Toledo, O.
Geo. C. Miller Sons Carriage Co., 19 W. 7th St., Cincinnati, O.
Moline Buggy Co., Moline, Ill.
H. A. Moyer, Syracuse, N. Y.
North Western Mfg. Co., Fort Atkinson, Wis.
Ohio Buggy Co., Columbus, O.
Oneida Carriage Works, Oneida, N. Y.
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
W. A. Paterson, Flint, Mich.
C. Pierpont & Co., New Haven, Conn.
Queen City Carriage Co., Buffalo, N. Y.
J. M. Quimby & Co., Newark, N. J.
Racine Wagon & Carriage Co., Racine, Wis.
Wm. D. Rogers, Son & Co., 1007 Chestnut St., Philadelphia, Pa.
Rumsey Mfg. Co., Detroit, Mich.
Sayers & Scovill, 51 Colerain Av., Cincinnati, O.
Schelp Wagon & Carriage Co., 229 Carr St., St. Louis, Mo.
Scioto Buggy Co., Columbus, O.
Sechler & Co., 176 E. 5th St., Cincinnati, O.
D. M. Sechler Carriage Co., Moline, Ill.
Sproul Vehicle Mfg. Co., Pittsburgh, Pa.
Standard Wagon Co., 1000 W. 8th St., Cincinnati, O.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
R. M. Stivers, 150 E. 31st St., New York.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Sturtevant-Larrabee Co., Binghamton, N. Y.
Stutz & Walker, Goshen, Ind.
Troy Carriage Works, Lansingburgh, N. Y.
United States Carriage Co., Columbus, O.
B. Veerkamp & Sons, 469 Walnut St., Cincinnati, O.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Watertown Spring Wagon Co., Watertown, N. Y.
C. R. & J. C. Wilson Carriage Co., Detroit, Mich.
L. & M. Woodhull, Dayton, O.
A. Wrenn & Son, Norfolk, Va.

Youngstown Carriage & Wagon Co., Youngstown, O.

A. CARRIAGES IN THE WHITE. Biddle & Smart Co., Amesbury, Mass. *243
F. T. Clymer Co., Wilmington, Del.
King Spring Co., Buffalo, N. Y.
La Porte Wood Mfg. Co., La Porte, Ind.
Troy Carriage Works, Troy, N. Y.

2899. CARRIAGE DOOR HANDLES.
Atwood Bros. Mfg. Co., Amesbury, Mass.
English & Mersick, New Haven, Conn.
C. N. Lockwood & Co., Newark, N. J.
Post & Co., 217 W. 4th St., Cincinnati, O.
Walter W. Woodruff & Sons, Mount Carmel, Conn.

2900. CARRIAGE LOOPS. Atwater Mfg. Co., Plantsville, Conn.
Atwood Bros. Mfg. Co., Amesbury, Mass.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Metal Stamping Co., 406 E. 32d St., New York.
H. D. Smith & Co., Plantsville, Conn.
Wilcox & Howe Co., Birmingham, Conn.

2901. CARRIAGE ORNAMENTS.
Palm Bros. & Co., 114 Main St., Cincinnati, O.

2902. CARRIAGE PNEUMATIC WHISTLES.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.

2903. CARRIAGE SPEAKING TUBES.
Wm. H. Horstmann & Sons, N. 5th & Cherry Sts., Phila., Pa.

2904. CARTS.

A. BAGASSE CARTS. Bodley Wagon Co., Wheeling, W. Va.

B. BARREL CARTS. Belle City Mfg. Co., Racine, Wis.
Bodley Wagon Co., Wheeling, W. Va.
Abram Ellwood, Sycamore, Ill.
Hauck & Comstock, Mechanicsburg, Pa.
J. D. Lahman & Co., Franklin Grove, Ill.
Milburn Wagon Co., Toledo, O.
E. H. Pease Mfg. Co., Racine, Wis.
Sandwich Mfg. Co., Sandwich, Ill.

C. COAL CARTS. Bodley Wagon Co., Wheeling, W. Va.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Milburn Wagon Co., Toledo, O.

D. DUMP CARTS. Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
Blount & Bell, E. Point, Ga.
Bodley Wagon Co., Wheeling, W. Va.
Fish Bros. Wagon Co., Racine, Wis.
Holt Bros. Mfg. Co., Concord, N. H.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Owensboro' Wagon Co., Owensboro', Ky.
Schuttler & Hotz, 45 W. Monroe St., Chicago, Ill.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
B. F. & H. L. Sweet, Fond-du-Lac, Wis.
Winona Plow Co., Winona, Minn.

E. FARM CARTS. Ames Plow Co., Quincy Hall, Boston, Mass.
Benicia Agricultural Works, Benicia, Cal.
Bodley Wagon Co., Wheeling, W. Va.
Edgecombe Agricultural Works, Tarboro', N. C.
Holt Bros. Mfg. Co., Concord, N. H.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Milburn Wagon Co., Toledo, O
Olds Wagon Works, Fort Wayne, Ind.
H. C. Shaw Plow Works, Stockton, Cal.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
South Bend Wagon Co., South Bend, Ind.
Winona Wagon Co., Winona, Minn.

F. OX CARTS. Ames Plow Co., Quincy Hall, Boston, Mass.
Bodley Wagon Co., Wheeling, W. Va.
Holt Bros. Mfg. Co., Concord, N. H.

G. PEDDLERS' CARTS. M. G. Remington, Bennington, Vt.

H. RAILROAD CARTS. Ames Plow Co., Quincy Hall, Boston, Mass.
Bodley Wagon Co., Wheeling, W. Va.
Holt Bros. Mfg. Co., Concord, N. H.

I. SPRING CARTS. H. H. Babcock Co., Watertown, N. Y.
Benicia Agricultural Works, Benicia, Cal.

R. M. Bingham & Co., Rome, N. Y.
Bodley Wagon Co., Wheeling, W. Va.
J. B. Brewster & Co., 145 E. 25th St., New York.
Cortland Wagon Co., Cortland, N. Y.
W. G. Ellis & Son, Amesbury, Mass.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
Enterprise Carriage Mfg. Co., Court & Sycamore Sts., Cinn., O.
E. S. Feltch & Co., Amesbury, Mass.
Fulton & Walker Co., N. 20th & Filbert Sts., Philadelphia, Pa.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
Rumsey Mfg. Co., Detroit, Mich.
Sproul Vehicle Mfg. Co., Pittsburgh, Pa.
Standard Wagon Co., 1000 W. 8th St., Cincinnati, O.
G. M. Stanwood & Co., Portland, Me.

2905. CASTINGS, WAGON & CARRIAGE.

Hurlbut Mfg. Co., Racine Junction, Wis.
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Chas. Wing & Co., Amesbury, Mass.

2906. CHILDREN'S CARRIAGES.

Anderson, Johnston & Co., 150 Dock St., Philadelphia, Pa.
Crandall & Co., 569 3d Av., New York.
Downing Carriage Co., Erie, Pa.
E. Falkingham, San Francisco, Cal.
Chas. R. Field, Greenfield, Mass.
Gendron Iron Wheel Co , Toledo, O.
C. Goebert & Son, 108 N. 2d St., Philadelphia, Pa.
Heywood Bros. & Co., 195 Canal St., New York.
Kinley Mfg. Co., Hoyne Av. & Van Buren St., Chicago, Ill.
L. H. Mace & Co., 111 E. Houston St., New York.
McKee & Harrington, 173 Grand St., New York.
P. J. Marqua Co., 154 Main St., Cincinnati, O.
A. Meinecke & Son, Milwaukee, Wis.
Mithoff, Evans & Co., Columbus, O.
W. H. Pettit & Co., Grand Rapids, Mich.
Rock Island Children's Carriage Co., Rock Island, Ill.
St. Nicholas Mfg. Co., 792 W. Madison St., Chicago, Ill.
Scarritt Furniture Co., 414 N. 4th St., St. Louis, Mo.
L. G. Spencer, 221 W. Madison St., Chicago, Ill.
S. A. Smith & Co., Brattleboro', Vt. *102
J. B. Sweet & Son, Buffalo, N. Y.
J. Tuohey, 610 Grand St., New York.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.
F. A. Whitney Carriage Co., Leominister, Mass.

A. CHILDREN'S CARRIAGES, RATTAN BODY.

Chapman Reed & Rattan Co., Cedar Rapids, Iowa.
Downing Carriage Co., Erie, Pa.
Gendron Iron Wheel Co., Toledo, O.
Heywood Bros. & Co., 195 Canal St., New York.
Tuthill Spring Co., Hammond, Ind.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

B. CHILDREN'S CARRIAGE RUNNERS.

South Bend Toy Mfg. Co., South Bend, Ind.

2907. CLIPS.

Atwater Mfg. Co., Plantsville, Conn.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
Columbus Bolt Works, Columbus, O.
C. Cowles & Co., New Haven, Conn.
E. B. Lanman, Columbus, O.
Roy & Co., W. Troy, N. Y.
Moses Seward & Son, New Haven, Conn.
H. D. Smith & Co., Plantsville, Conn.
Townsend, Wilson & Hubbard Bolt Co., 2305 Cherry St., Phila., Pa.
Upson Nut Co., Unionville, Conn.
Wilcox & Howe, Birmingham, Conn

2908. COACHES.

Abbot Downing Co., Concord, N. H.
H. H. Babcock Co., Watertown, N. Y.
J. B. Brewster & Co., 145 E. 25th St., New York.
Fulton & Walker Co., N. 20th & Filbert Sts., Philadelphia, Pa.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., Albany, N. Y.
Hincks & Johnson, Bridgeport, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
C. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.

	J. M. Quimby & Co., Newark, N. J.
	Troy Carriage Works, Lansingburgh, N. Y.
A. CONCORD COACHES.	Abbot Downing Co., Concord, N. H.
B. HOTEL COACHES.	Abbot Downing Co., Concord, N. H.
C. TALLY HO COACHES.	Abbot Downing Co., Concord, N. H.
	A. T. Demarest & Co., 335 5th Av., New York.
	Henry Killam Co., Broadway & W. 54th St., New York.
2909. COACH BLINDS.	Rubber & Celluloid Harness Trimming Co., Newark, N. J.
2910. COACH FRONTS.	Rubber & Celluloid Harness Trimming Co., Newark, N. J.
2911. COACH ROOFS.	Dann Bros. & Co., New Haven, Conn.
2912. COTTON FLOATS.	Kentucky Wagon Mfg. Co., Louisville, Ky.
2913. COVERS, WAGON.	Cleveland Rubber Co., Cleveland, O.
	Conant Rubber Co.. Hartford, Conn.
	E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
	W. H. Hoffman, 150 W. Broadway, New York.
	R. A. Humphrys, 1006 Ridge Av., Philadelphia, Pa.
	Hutchings & Bro., 31 South St., New York.
	Missouri Tent & Awning Co., 218 Chestnut St., St. Louis, Mo.
2914. CURTAIN FASTENERS.	C. Cowles & Co., New Haven, Conn.
	English & Mersick, New Haven, Conn.
	C. N. Lockwood & Co., Newark, N. J.
	Metal Stamping Co., 406 E. 32d St., New York.
	Wilcox & Howe, Birmingham, Conn.
2915. CURTAIN FRAMES.	C. Cowles & Co., New Haven, Conn.
	Metal Stamping Co., 406 E. 32d St., New York.
2916. CURTAIN LIGHTS.	Crandal, Stone & Co., Binghamton, N. Y.
	Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
2917. CUSHIONS.	
A. CARRIAGE CUSHIONS.	East Dubuque Mfg. Co., E. Dubuque, Ill.
	Excelsior Carriage Goods Co., Gest & Summer Sts., Cin., O.
	Kalamazoo Top Co., Kalamazoo, Mich.
	C. Z. Kroh & Co., Toledo, O.
	Nease, McLean & McGinniss, Pittsburgh, Pa.
	Tyer Rubber Co., Andover, Mass.
B. WAGON CUSHIONS,	Chicago Top & Cushion Co., 188 Ohio St., Chicago, Ill.
	John F. McHugh, 1263 Broadway, New York.
2918. DASHES.	Columbus Buggy Co., Columbus, O.
	Cortland Top & Rail Co., Ltd., Cortland, N. Y.
	Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
	Excelsior Carriage Goods Co., Gest & Summer Sts., Cincinnati, O.
	C. Z. Kroh & Co., Toledo, O.
	McKinnon Dash & Hardware Co., Buffalo, N. Y.
	Nease, McLean & McGinness, Pittsburgh, Pa.
	Peters Dash Co., Columbus, O.
	Wm. C. Reynolds & Co., Columbus, O.
	M. Seward & Son, New Haven, Conn.
	Syracuse Dash Works, Syracuse, N. Y.
	Wilcox & Howe, Birmingham, Conn.
A. DASH FEET.	M. Seward & Son, New Haven, Conn.
B. DASH RAILS.	Morrison & Corcoran, 14 Gano St., Cincinnati, O.
	Peters Dash Co., Columbus, O.
	Post & Co., 217 W. 4th St., Cincinnati, O.
	Steel Pulley & Machine Works, Indianapolis, Ind.
	Wilcox & Howe, Birmingham, Conn.
C. DASH SCREENS.	Barton Bell Co., Marion, Ind.
D. DETACHABLE DASH RAILS.	Steel Pulley & Machine Works, Indianapolis, Ind.
2919. DOG CARTS.	H. H. Babcock Co., Watertown, N. Y.
	Biddle & Smart Co., Amesbury, Mass. *243
	J. B. Brewster & Co., 145 E. 25th St., New York.
	Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O.*12–15
	J. F. Goodrich & Co., New Haven, Conn.
	James Goold Co., 21 Union St., Albany, N. Y.
	Henry Killam Co., Broadway & W. 4th St., New York.
	Kimball Bros., 110 Sudbury St., Boston, Mass.
	Milburn Wagon Co., Toledo, O.
	Sechler & Co., 176 E. 5th St., Cincinnati, O.
	R. M. Stivers, 150 E. 31st St., New York.
	Chauncey Thomas & Co., 101 Chestnut St., Boston, Mass.
2920. DRAYS.	Blount & Bell, East Point, Ga.
	Bodley Wagon Co., Wheeling, Va.
	W. P. Horner & Co., Danville, Va.
	Kentucky Wagon Mfg. Co., Louisville, Ky.
	Milburn Wagon Co., Toledo, O.
	J. N. W. Sherman, 316 5th Av., Chicago, Ill.
	Winona Wagon Co., Winona, Minn.
2921. END GATES.	Daley Mfg. Co., De Kalb, Ill.

Hurlbut Mfg. Co., Racine Junction, Wis.

A. END GATES & SHOVELING BOARDS COMBINED.
E. K. Hayes, Galva, Ill.

2922. FENDERS.
Columbus Buggy Co., Columbus, O.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Wm. C. Reynolds & Co., Columbus, O.
Syracuse Dash Works, Syracuse, N. Y.

2923. FIFTH WHEELS.
Atwater Mfg. Co., Plantsville, Conn.
Buffalo Spring & Gear Co., Buffalo, N. Y.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Clark & Easton, 164 W. 2d St., Cincinnati, O.
Columbus Bolt Works, Columbus, O.
Dexter Spring Co., Hulton, Pa.
Eberhard Mfg. Co., Cleveland, O.
Herbrand Co., Fremont, O.
National Mfg. Co., Lancaster, Pa.
Pratt & Letchworth, Buffalo, N. Y.
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati, O.
M. Seward & Son, New Haven, Conn.
Sperry Mfg. Co., Ansonia, Conn.
Standard Axle Works, Millersburg, Pa.
Wilcox & Howe, Birmingham, Conn.
Chas. Wing & Co., Amesbury, Mass.
Yaryan Fifth Wheel Co., Indianapolis, Ind.

2924. FLAPPERS, CARRIAGE.
C. Cowles & Co., New Haven, Conn.
English & Mersick, New Haven, Conn.
Wilcox & Howe, Birmingham, Conn.

2925. FOOT RAILS, CARRIAGE.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Pratt & Letchworth, Buffalo, N. Y.
M. Seward & Son, New Haven, Conn.
Wilcox & Howe, Birmingham, Conn.
Worcester Ferrule & Mfg. Co., Worcester, Mass.

2926. FOOT WARMERS, CARRIAGE.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

2927. FORGINGS, CARRIAGE.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Columbus Bolt Works, Columbus, O.
Cortland Top & Rail Co., Ltd., Cortland, N. Y.
Queen City Forging Co., Tennyson & Dumont Sts., Cincin., O.
Sperry Mfg. Co., Ansonia, Conn.
Strieby & Foote, Newark, N. J.
Wilcox & Howe Co., Birmingham, Conn.
Chas. Wing & Co., Amesbury, Mass.

2928. GEARS.

A. BUGGY GEARS.
Buffalo Spring & Gear Co., Buffalo, N. Y.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15

B. CARRIAGE GEARS.
Biddle & Smart Co., Amesbury, Mass. *243
Buffalo Spring & Gear Co., Buffalo, N. Y.
F. T. Clymer Co., Wilmington, Del.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Currier, Cameron & Co., Amesbury, Mass.
Dann Bros. & Co., New Haven, Conn.
Dexter Spring Co., Hulton, Pa.
Excelsior Carriage Goods Co., Gest & Summer Sts., Cincinnati, O.
Fitch Gear Co., Rome, N. Y.
La Porte Wood Mfg. Co., La Porte, Ind.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
H. T. Morten Mfg. Co., Depot & South Sts., Cincinnati, O.
Pell Gear Works, Rome, N. Y.
Powitzky & Collins, 819 S. 3d St., St. Louis, Mo.
Queen City Carriage Co., Buffalo, N. Y.
Rumsey Mfg. Co., Detroit, Mich.
Selle Gear Co., Akron, O.
C. R. & J. C. Wilson Carriage Co., Detroit, Mich.

C. CHILDREN'S CARRIAGE GEARS.
Gendron Iron & Wheel Co., Toledo, O.
S. A. Smith & Co., Brattleboro', Vt. *102

D. LUMBER GEARS.
Holt Bros. Mfg. Co., Concord, N. H.
Milburn Wagon Co., Toledo, O.

E. LOG GEARS.
Holt Bros. Mfg. Co., Concord, N. H.

F. OMNIBUS GEARS.
Holt Bros. Mfg. Co., Concord, N. H
Selle Gear Co., Akron, O.

G. TRUCK GEARS.
Bain Wagon Co., Ltd., Kenosha, Wis.
Holt Bros. Mfg. Co., Concord, N. H.

Selle Gear Co., Akron, O.

H. WAGON GEARS.

Allentown Platform Gear Co., Allentown, Pa.
Bain Wagon Co., Ltd., Kenosha, Wis.
Canton Buggy & Gear Co., Canton, O.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O.*12–15
H. M. Curtis, Ypsilanti, Mich.
Dann Bros. & Co., New Haven, Conn.
Easy Wagon Gear Co., Detroit, Mich.
G. J. Jackson & Co., Columbus, Wis.
La Belle Wagon Works, Fond-du-Lac, Wis.
Mulholland Spring Co., Dunkirk, N. Y.
Page Mfg. Co., Kalamazoo, Mich.
Pell Gear Works, Rome, N. Y.
Selle Gear Co., Akron, O.
Edward Storm Spring Co., Ltd., Poughkeepsie, N. Y.

2929. GEAR IRONS.

Buffalo Spring & Gear Co., Buffalo, N. Y.
E. D. Clapp Mfg. Co., Auburn, N. Y.
M. Seward & Son, New Haven, Conn.
Wilcox & Howe Co., Birmingham, Conn.
C. R. & J. C. Wilson Carriage Co., Detroit, Mich.

2930. GIGS.

Amesbury Carriage Co., Amesbury, Mass.
H. H. Babcock Co., Watertown, N. Y.
J. B. Brewster & Co., 145 E. 25th St., New York.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.

2931. HACKS, LIVERY.

Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15

2932. HARDWARE, CARRIAGE & WAGON.

Atwater Mfg. Co., Plantsville, Conn.
Atwood Bros. Mfg. Co., Amesburg, Mass.
Baker Chain & Wagon Iron Mfg. Co., Allegheny, Pa.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
Columbus Bolt Works, Columbus, O.
Cortland Top & Rail Co., Ltd., Cortland, N. Y.
Eberhard Mfg. Co., Cleveland, O.
R. & N. Eccles, Auburn, N. Y.
English & Mersick, New Haven, Conn.
M. T. Gleeson, Columbus, O.
Hurlbut Mfg. Co., Racine Junction, Wis.
McCosh Iron & Steel Co., Burlington, Iowa.
McKinnon Dash & Hardware Co., Buffalo, N. Y.
Metal Stamping Co., 406 E. 32d St., New York.
Philadelphia Coach Material Co., 126 N. 3d St., Phila., Pa.
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Scranton Forging Co., Scranton, Pa.
Strieby & Foote, Newark, N. J.
Teneick & Kent, 1555 Broadway, New York.
Topliff & Ely Co., Elyria, O.
I. N. Topliff Mfg. Co., Cleveland, O.
Union Hardware Co., Union, N. Y.
Whitely Malleable Iron Co., Springfield, O.
Wilcox & Howe Co., Birmingham, Conn.
Chas. Wing & Co., Amesbury, Mass.
Walter W. Woodruff & Sons, Mount Carmel, Conn.

2933. HEAD BLOCKS.

Dann Bros. & Co., New Haven, Conn.

2934. HEARSES.

Geo. L. Brownell, New Bedford, Mass.
James Cunningham, Son & Co., Rochester, N. Y.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Merts & Riddle, Ravenna, O.
J. M. Quimby & Co., Newark, N. J.
Sayers & Scovill, 51 Colerain Av., Cincinnati, O.

A. HEARSES IN THE WHITE.

F. T. Clymer Co., Wilmington, Del.

2935. HUB BANDS.

C. Cowles & Co., New Haven, Conn.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Willis M. Farr, Dowagiac, Mich.
C. N. Lockwood & Co., Newark, N. J.
Metal Stamping Co., 406 E. 32d St., New York.
Post & Co., 217 W. 4th St., Cincinnati, O.
Pratt & Letchworth, Buffalo, N. Y.
Wilcox & Howe, Birmingham, Conn.

2936. IRONS, CARRIAGE & WAGON.

E. D. Clapp Mfg. Co., Auburn, N. Y.

Cleveland Hardware Co., Cleveland, O.
Eberhard Mfg. Co., Cleveland, O.
English & Mersick, New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Selle Gear Co., Akron, O.
Strieby & Foote, Newark, N. J.
Syracuse Malleable Iron Works, Syracuse, N. Y.
Wilcox & Howe, Birmingham, Conn.

A. CORNER IRONS — C. Cowles & Co., New Haven, Conn.

2937. JOINTS & JOINT ENDS.

A. JOINT ENDS.
Atwater Mfg. Co., Plantsville, Conn.
Blakeslee & Co., Plantsville, Conn.
E. D. Clapp Mfg. Co., Auburn, N. Y.
C. Cowles & Co., New Haven, Conn.
M. Seward & Son, New Haven, Conn.
H. D. Smith & Co., Plantsville, Conn.
Wilcox & Howe Co., Birmingham, Conn.

B. CONCEALED HINGES. — Spring Perch Co., Bridgeport, Conn.

C. CONCEALED JOINTS.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Pratt & Letchworth, Buffalo, N. Y.

D. PERCH ENDS. — H. D. Smith & Co., Plantsville, Conn.

E. STUMP JOINTS.
Atwater Mfg. Co., Plantsville, Conn.
Blakeslee & Co., Plantsville, Conn.
E. D. Clapp Mfg. Co., Auburn, N. Y.
C. Cowles & Co., New Haven, Conn.
Metal Stamping Co., 406 E. 32d St., New York.
H. D. Smith & Co., Plantsville, Conn.
Wilcox & Howe, Birmingham, Conn.

2938. JUMP SEAT CARRIAGES.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
Queen City Carriage Co., Buffalo, N. Y.

2939. KNOBS, CARRIAGE.
C. Cowles & Co., New Haven, Conn.
Crandal, Stone & Co., Binghamton, N. Y.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Henry Killam Co., Broadway & W. 54th St., New York.
Metal Stamping Co., 406 E. 32d St., New York.
Pratt & Letchworth, Buffalo, N. Y.

A. KNOBS & EYELETS.
Crandal, Stone & Co., Binghamton, N. Y.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.

B. KNOBS & PATCHES.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Metal Stamping Co., 406 E. 32d St., New York.

2940. LANDAUS.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
J. B. Brewster & Co., 145 E. 25th St., New York.
Tom Connolly, Dubuque, Iowa.
A. T. Demarest & Co., 335 5th Av., New York.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., Albany, N. Y.
Hincks & Johnson, Bridgeport, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
J. M. Quimby & Co., Newark, N. J.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Lansingburgh, N. Y.
Tyson & Jones Buggy Co., Carthage, N. C.

A. LANDAU FIXTURES. — English & Mersick, New Haven, Conn.

2941. LITTERS. — David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.

2942. LOGGING WHEELS & AXLES.
Butterworth & Lowe, Grand Rapids, Mich.
J. E. Randle & Co., Memphis, Tenn.
Tuttle & Lyon, Shorter's Depot, Ala.

2943. MOULDINGS, CARRIAGE.
English & Mersick, New Haven, Conn.
C. N. Lockwood & Co., Newark, N. J.
Metal Stamping Co., 406 E. 32d St., New York.
Randolph & Clowes, Waterbury, Conn.

A. RATTAN MOULDINGS. — C. Cowles & Son, New Haven, Conn.

2944. MOUNTINGS.

A. COACH & CARRIAGE MOUNTINGS.
Atwood Bros. Mfg. Co., Amesbury, Mass.
Burch & Collins, Columbus, O.
M. T. Gleeson, Columbus, O.
Walter Greacen & Co., Newark, N. J.

C. N. Lockwood & Co., Newark, N. J.
Morrison & Corcoran, 14 Gano St., Cincinnati, O.
Post & Co., 217 W. 4th St., Cincinnati, O.
Searls Mfg. Co., Newark, N. J.
White Mfg. Co., Bridgeport, Conn.
Walter W. Woodruff & Sons, Mount Carmel, Conn.

B. HEARSE MOUNTINGS.
M. T. Gleeson, Columbus, O.
Morrison & Corcoran, 14 Gano St., Cincinnati, O.
White Mfg. Co., Bridgeport, Conn.

2945. NAME PLATES, CARRIAGE.
Atwood Bros. Mfg. Co., Amesbury, Mass.
S. D. Childs & Co., 140 Monroe St., Chicago, Ill.
English & Mersick, New Haven, Conn.
Walter Greacen & Co., Newark, N. J.
Post & Co., 217 W. 4th St., Cincinnati, O.
John Robbins Mfg. Co., 142 Harrison Av., Boston, Mass.
Standard Gig Saddle Co., Jackson, Mich.

2946. OFFSETS.
E. D. Clapp Mfg. Co., Auburn, N. Y.
H. D. Smith & Co., Plantsville, Conn.
Wilcox & Howe Co., Birmingham, Conn.

2947. OMNIBUSES.
Abbot Downing Co., Concord, N. H.
Cortland Omnibus & Cab Co., Cortland, N. Y.
A. T. Demarest & Co., 335 5th Av., New York.
Fulton & Walker Co., N. 20th & Filbert Sts., Philadelphia, Pa.
Gilbert Car Mfg. Co., Troy, N. Y.
Harlan & Hollingsworth Co., Wilmington, Del.
Henry Killam Co., Broadway & W. 54th St., New York.
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
John Stephenson Co., Ltd., 47 E. 27th St., New York. *220

2948. PANELS, CARRIAGE.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Joel H. Woodman & Co., Hoboken, N. J.

2949. PHAETONS.
Amesbury Carriage Co., Amesbury, Mass.
Anderson & Harris Carriage Co., Elmwood Place, O.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
Birdsell Mfg. Co., South Bend, Ind.
J. B. Brewster & Co , 145 E. 25th St., New York.
Briggs Carriage Co., Amesbury, Mass.
Geo. L. Brownell, New Bedford, Mass.
Buckeye Buggy Co., Columbus, O.
Columbus Buggy Co., Columbus, O.
Connersville Buggy Co., Connersville, Ind.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Tom Connolly, Dubuque, Iowa.
Cortland Wagon Co., Cortland, N. Y.
A. T. Demarest & Co., 335 5th Av., New York.
Easton & Clark, 164 W. 2d St., Cincinnati, O.
W. G. Ellis & Son, Amesbury, Mass.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
Geo. Enger & Co., Gest & Summer Sts., Cincinnati, O.
E. S. Feltch & Co., Amesbury, Mass.
Franklin Buggy Co., Columbus, O. *7
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Hamilton Buggy Co., Hamilton, O.
T. T. Haydock Carriage Co., 12th & Plum Sts., Cincinnati, O.
Hitchcock Mfg. Co., Cortland, N. Y.
Bradley Holton & Co., Indianapolis, Ind.
Kimball Bros., 110 Sudbury St., Boston. Mass.
La Crosse-Wallis Carriage Co., La Crosse, Wis.
B. Manville & Co., New Haven, Conn.
McFarlan Carriage Co., Connersville, Ind. *8–11
Milburn Wagon Co., Toledo, O.
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
Queen City Carriage Co., Buffalo, N. Y.
J. M. Quimby & Co., Newark, N. J.
Racine Wagon & Carriage Co., Racine, Wis.
Schelp Wagon & Carriage Co., 229 Carr St., St. Louis, Mo.
Sechler & Co., 176 E. 5th St., Cincinnati, O.
J. N. W. Sherman, 316 5th Av., Cincinnati, O.
O. H. Short & Co., Syracuse, N. Y.
Standard Wagon Co., 1000 W. 8th St., Cincinnati, O.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Troy, N. Y.

Tyson & Jones Buggy Co., Carthage, N. C.
Union Carriage & Gear Co., Watertown, N. Y.
B. Veerkamp & Sons, 469 Walnut St., Cincinnati, O.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Youngstown Wagon & Carriage Co., Youngstown, O.

A. BASKET PHAETONS.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
J. F. Goodrich & Co., New Haven, Conn.
J. M. Quimby & Co., Newark, N. J.

2950. PLATES, CARRIAGE.

A. BED PLATES.
E. D. Clapp Mfg. Co., Auburn, N. Y.
C. Cowles & Co., New Haven, Conn.
E. S. Feltch & Co., Amesbury, Mass.
Pratt & Letchworth, Buffalo, N. Y.
H. D. Smith & Co , Plantsville, Conn.
Wilcox & Howe Co., Birmingham, Conn.

B. BOLSTER PLATES.
Cleveland Hardware Co., Cleveland, O.
Eberhard Mfg. Co., Cleveland, O.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.

C. FELLOE PLATES.
Atwater Mfg. Co., Plantsville, Conn.
Wm. Chisholm & Sons, Cleveland, O.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
McKinney Mfg. Co., Allegheny, Pa.
Upson Nut Co., Unionville, Conn.
Walter W. Woodruff & Sons, Mount Carmel, Conn.

D. STEP PLATES.
Cleveland Hardware Co., Cleveland, O.
Pratt & Letchworth, Buffalo, N. Y.

E. STEP SHANKS.
Pratt & Letchworth, Buffalo, N. Y.
H. D. Smith & Co., Plantsville, Conn.

2951. POLES & SHAFTS.

S. R. Bailey & Co., Amesbury, Mass.
S. N. Brown & Co , Dayton, O.
Buffham & Co., Racine, Wis.
W. T. Craft, Trenton, N. J.
Currier, Cameron & Co., Amesbury, Mass.
J. W. Dann Mfg. Co., Columbus, O.
Downey Bros., Lancaster, Pa.
Franklin Buggy Co., Columbus, O.
Oscar S. Gillette, Indianapolis, Ind.
J. A. Gleason & Bro., Van Wert, O.
W. H. Gray, 20 Wooster St., New York.
Lambertville Spoke Mfg. Co., Lambertville, N. J.
Queen City Carriage Co., Buffalo, N. Y.
Springer Bros. Mfg. Co., Edwardsville, Ill.
Toledo Carriage Wood Work Co., Toledo, O.
Wheel & Wood Bending Co., Bridgeport, Conn.
John J. Wright, Bremen, Ind.

A. GOAT & DOG SHAFTS.
Wilkinsen Mfg. Co., Binghamton, N. Y.

2952. POLE & SHAFT TRIMMINGS.

Atwater Mfg. Co., Plantsville, Conn.
Atwood Bros. Mfg. Co., Amesbury, Mass.
C. Cowles & Co., New Haven, Conn.
English & Mersick, New Haven, Conn.
D. M. Lane's Sons, 3432 Market St., Philadelphia, Pa.
C. N. Lockwood & Co., Newark, N. J.
Pratt & Letchworth, Buffalo, N. Y.
Wilcox & Howe, Birmingham, Conn.

A. POLE & SHAFT COUPLINGS.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Columbus Bolt Works, Columbus, O.
R. & N. Eccles, Auburn, N. Y.
G. H. Hutton & Co., Baltimore, Md.
H. D. Smith & Co., Plantsville, Conn.
Upson Nut Co., Unionville, Conn.
Wilcox, Howe Co., Birmingham, Conn.

B. POLE & SHAFT HOLD-BACKS.
Cleveland Hardware Co., Cleveland, O.
Metal Stamping Co., 406 E. 32d St., New York.
Pratt & Letchworth, Buffalo, N. Y.

C. SHAFT TIPS.
Atwood Bros. Mfg. Co., Amesbury, Mass.
H. Broughton & Co., Troy, N. Y.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Metal Stamping Co., 406 E. 32d St., New York.
Post & Co., 217 W. 4th St., Cincinnati, O.
Pratt & Letchworth, Buffalo, N. Y.
M. Seward & Son, New Haven, Conn.

2953. PONY CARTS.

H. H. Babcock Co., Watertown, N. Y.

R. M. Bingham & Co., Rome, N. Y.
J. B. Brewster & Co., 145 E. 25th St., New York.
W. S. Frazier & Co., Aurora, Ill.
Gilbert Mfg. Co., Bainbridge, N. Y.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
C. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.
Chauncey Thomas & Co., 101 Chestnut St., Boston, Mass.

2954. PROPS, CARRIAGE.
C. Cowles & Co., New Haven, Conn.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
English & Mersick, New Haven, Conn.
Pratt & Letchworth, Buffalo, N. Y.

2955. PROP BLOCKS.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
Goodyear Rubber Co., 487 Broadway, New York.
Metal Stamping Co., 406 E. 32d St., New York.
Trenton Rubber Co., Trenton, N. J.

2956. PROP RESTS.
Dash & Carriage Goods Co , 134 Hunt St., Cincinnati, O.

2957. REIN HOLDERS.
E. E. Brewster, Holly, Mich.
New England Wheel Co., Bridgeport, Conn.
Post & Co., 217 W. 4th St., Cincinnati, O.
Racine Malleable & Wrought Iron Co., Racine, Wis.
B. T. Sturtevant Co., 34 Oliver St., Boston, Mass.
Wheel & Wood Bending Co., Bridgeport, Conn.

2958. ROAD CARTS.
American Cart Co., Kalamazoo, Mich.
Amesbury Carriage Co., Amesbury, Mass.
Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
B. F. Avery & Sons, Louisville, Ky.
H. H. Babcock Co., Watertown, N. Y.
M. Backus & Co., Indianapolis, Ind.
B. F. Bard, Coatesville, Pa.
Battle Creek Buggy Co., Battle Creek, Mich.
Battle Creek Road Cart Co., Battle Creek, Mich.
Bradley, Holton & Co., Indianapolis, Ind.
Bradley & Co., Syracuse, N. Y.
Briggs Carriage Co., Amesbury, Mass.
Collins Mfg. Co., Jackson, Mich.
Columbus Buggy Co., Columbus, O.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Cortland Wagon Co., Cortland, N. Y.
Creamer & Scott Co., Indianapolis, Ind.
J. J. Deal, Jonesville, Mich.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
Eureka Co., Rock Falls, Ill.
E. S. Feltch & Co., Amesbury, Mass.
Fish Bros. Wagon Co., Racine, Wis.
Flint Road Cart Co., Flint, Mich.
Flint Wagon Works, Flint, Mich.
Franklin Buggy Co., Columbus, O. *7
W. S. Frazier & Co., Aurora, Ill.
T. T. Haydock Carriage Co., 12th & Plum Sts., Cincinnati, O.
Hitchcock Mfg. Co., Cortland, N. Y.
Kalamazoo Wagon Co., Kalamazoo, Mich.
Lawrence & Chapin Co., Kalamazoo, Mich.
Mason Road Cart Co., Mason, Mich.
Michigan Buggy Co., Kalamazoo, Mich.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
Parry Mfg. Co., Indianapolis, Ind.
Racine Wagon & Carriage Co., Racine, Wis.
D. F. Sargent & Son, Geneseo, Ill.
Sechler & Co., 176 E. 5th St., Cincinnati, O.
Stutz & Walker, Goshen, Ind.
Troy Carriage Works, Lansingburgh, N. Y.
Truman, Hooker & Co., San Francisco, Cal.
Wayne Works, Richmond, Ind,
A. Wrenn & Son, Norfolk, Va.

A. ROAD CARTS IN THE WHITE.
A. L. Knoblaugh Co., 116 E. 6th St., Cincinnati, O.

2959. ROCKAWAYS.
Amesbury Carriage Co., Amesbury, Mass.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
J. B. Brewster & Co., 145 E. 25th St., New York.
Buckeye Buggy Co., Columbus, O.
Tom Connolly, Dubuque, Iowa.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15

E. S. Feltch & Co., Amesbury, Mass.
Franklin Buggy Co., Columbus, O. *7
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., Albany, N. Y.
C. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.
J. M. Quimby & Co., Newark, N. J.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Troy, N. Y.

2960. RODS.

A. CARPET RODS.
American Wheel Co., 205 La Salle St., Chicago. Ill.
Dann Bros. & Co., New Haven, Conn.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
English & Mersick, New Haven, Conn.

B. END BOARD RODS.
Hurlbut Mfg. Co., Racine, Wis.

C. WAGON BOX RODS.
J. F. Goodrich & Co., New Haven, Conn.
Hurlbut Mfg. Co., Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.

2961. ROLL-UP STRAPS.
Syracuse Dash Co., Syracuse, N. Y.

2962. RUBBER CARRIAGE GOODS.

A. CARRIAGE DRILLS & DUCK.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
Empire Rubber Co., Trenton, N. J.
Fairfield Rubber Co., Fairfield, Conn.
Trenton Rubber Co., Trenton, N. J.

2963. SEATS.

A. CARRIAGE SEATS.
Cortland Top & Rail Co., Ltd., Cortland, N. Y.
Dann Bros. & Co., New Haven, Conn.
Dennett & Clark, Amesbury, Mass.
Excelsior Seat Co., Columbus, O.
Hartford Woven Wire Mattress Co., Hartford, Conn.
G. H. Hutton & Co., Baltimore, Md.
C. Z. Kroh & Co., Toledo, O.
Osgood Morrill, Amesbury, Mass.

B. CART SEATS.
Unadilla Machine Co., Unadilla, N. Y.

C. JUMP SEATS.
J. W. Dann Mfg. Co., Columbus, O.

D. SEAT FASTENERS.
EnterpriseCarriage Mfg.Co.,Court& Sycamore Sts.,Cincinnati,O.
Willis M. Farr, Dowagiac, Mich.
Metal Stamping Co., 406 E. 32d St., New York.
Pratt & Letchworth, Buffalo, N. Y.

E. SEAT HANDLES.
Rockford Neck Yoke Works, Rockford, Ill.
Metal Stamping Co., 406 E. 32d St., New York.

F. TRUCK SEATS.
Pratt & Letchworth, Buffalo, N. Y.

G. WAGON SEATS.
Dann Bros. & Co., New Haven, Conn.
Dann Bros. & Co., New Haven, Conn.

2964. SHAFT HOLDERS.
A. Hallenbeck & Co., Cobleskill, N. Y.
American Shaft Holder Co., Wabash, Ind.

2965. SHIFTING RAILS.
Pratt & Letchworth, Buffalo, N. Y.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cortland Top & Rail Co., Ltd., Cortland, N. Y.
Metal Stamping Co., 406 E. 32d St., New York.

2966. SKEINS, WAGON.
M. Seward & Son, New Haven, Conn.
Bain Wagon Co., Ltd., Kenosha, Wis.
Belleville Pump & Skein Works, Bellville, Ill.
Defiance Machine Works, Defiance, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Sandage Steel Skein Co., South Bend., Ind.

A. THIMBLE SKEINS.
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Illinois Iron & Bolt Co., Carpentersville, Ill.

B. THIMBLE SKEINS, STEEL.
Columbus Mfg. Co., Columbus, O.
W. F. Patterson, Allegheny, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.

2967. SLAT RINGS.
H. D. Smith & Co., Plantsville, Conn.

2968. SLEIGHS.
H. H. Babcock Co., Watertown, N. Y.
S. R. Bailey & Co., Amesbury, Mass.
B. F. Bard, Coatesville, Pa.
Belknap Wagon & Sleigh Co., Grand Rapids, Mich.
R. M. Bingham & Co., Rome, N. Y.
Bohanon & Williams, 163 Ogden Av., Chicago, Ill.
J. B. Brewster & Co., 145 E. 25th St., New York.
Buffalo Spring & Gear Co., Buffalo, N. Y.
City Carriage Works, Fort Wayne, Jnd.
Cortland Wagon Co., Cortland, N. Y.
Folger & Drummond, Amesbury, Mass.
D. W. Forbes & Son, Westboro', Mass.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.

Gate City Carriage Co., Winona, Minn.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Hitchcock Mfg. Co., Cortland, N. Y.
Kimball Bros., 110 Sudbury St., Boston, Mass.
J. A. Lancaster & Co., Merrimac, Mass.
La Porte Wood Mfg. Co., La Porte, Ind.
Harvey A. Moyer, Syracuse, N. Y.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Ruka Bros. Mfg. Co., Boscobel, Wis.
Rumsey Mfg. Co., Detroit, Mich.
St. Paul's Plow Works, St. Paul, Minn.
Orville H. Short & Co., Syracuse, N. Y.
R. M. Stivers, 150 E. 31st St., New York.
Sturtevant-Larrabee Co., Binghamton, N. Y.
Troy Carriage Works, Lansingburgh, N. Y.
Union Carriage & Gear Co., Watertown, N. Y.
F. Wagner & Bro., Ann Arbor, Mich.
C. R. & J. C. Wilson Carriage Co., Detroit, Mich.
Arthur Wood Carriage Co., Grand Rapids, Mich.

A. BOB SLEDS.
E. Bement & Sons, Lansing, Mich.
David Bradley Mfg. Co., 63 N. Desplaines St., Chicago, Ill.
Castree-Mallery Co., Flint, Mich.
John A. Chockelt, South Bend, Ind.
G. D. Colton & Co., Galesburg, Ill.
Coquillard Wagon Works, South Bend, Ind.
J. W. Dann Mfg. Co., Columbus, O,
Hitchcock Mfg. Co., Cortland, N. Y.
Hurlburt Mfg. Co., Racine Junction, Wis.
Keller Mfg. Co., Sauk Centre, Minn.
Ketchum Wagon Co., Marshalltown, Iowa.
La Belle Wagon Works, Fond-du-Lac, Wis.
Lansing Wagon Works, Lansing, Mich.
Marseilles Mfg. Co., Marseilles, Ill.
Neal, Johns & Co., Lake City, Minn.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Ewald Over, Indianapolis, Ind.
Ruka Bros. Mfg. Co., Boscobel, Wis.
St. Paul Plow Works, St. Paul, Minn.
Peter Sames, Rockford, Ill.
A. B. Spies, Sterling, Ill.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.
Sterling Mfg. Co., Sterling, Ill.
Sutton Bros. & Bell, Indiana, Pa.
B. F. & H. L. Sweet, Fond-du-Lac, Wis.
Tiffin Agricultural Works, Tiffin, O.
Union Carriage & Gear Co., Watertown, N. Y.
Weber Wagon Co., 81st & Wallace Sts., Chicago, Ill.
Winchester & Partridge Mfg. Co., Whitewater, Wis.
Winona Wagon Co., Winona, Minn.
John J. Wright, Bremen, Ind.

B. CUTTERS.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
R. M. Bingham & Co., Rome. N. Y.
Bohanon & Williams, 163 Ogden Av., Chicago, Ill.
Brewster & Co., 1581 Broadway, New York.
J. & C. L. Bugbee, Hartford, Conn.
Cortland Wagon Co., Cortland, N. Y.
Tom Connolly, Dubuque, Iowa
A. T. Demarest, 335 5th Av., New York.
Gate City Carriage Co., Winona, Minn.
J. F. Goodrich & Co., 634 Broadway, New York.
Hitchcock Mfg. Co., Cortland, N. Y.
Kalamazoo Wagon Co., Kalamazoo, Mich.
Michigan Buggy Co., Kalamazoo, Mich.
Harvey A. Moyer, Syracuse, N. Y.
Orville H. Short & Co., Syracuse, N. Y.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Lansingburgh, N. Y.
Arthur Wood Carriage Co., Grand Rapids, Mich.

C. HUB RUNNERS.
Kimball Bros., 110 Sudbury St., Boston, Mass.

D. PONY SLEIGHS.
R. M. Bingham & Co., Rome, N. Y.

E. RAILROAD SLEIGHS.
Cortland Omnibus & Cab Co., Cortland, N. Y.

F. RUSSIAN SLEIGHS.
A. E. & J. H. Christie, Nyack, N. Y.
Troy Carriage Works, Lansingburgh, N. Y.

G. SULKY SLEIGHS.
Troy Carriage Works, Lansingburgh, N. Y.

2969. SLEIGH SHOES.

Cambria Iron Co., Johnstown, Pa.
Hurlbut Mfg. Co., Racine, Wis.
E. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.

2970. SLEIGH STOCK.

J. W. Dann Mfg. Co., Columbus, O.
Oscar S. Gillette, Indianapolis, Ind.
John J. Wright, Bremen, Ind.

2971. SPRINGS.

A. CARRIAGE SPRINGS.

H. H. Babcock Co., Watertown, N. Y.
Buffalo Spring & Gear Co., Buffalo, N. Y.
Cincinnati Spring Co., 8th & Gest Sts., Cincinnati, O.
D. Delany, Newark, N. J.
De Lee & Hayes, Troy, N. Y.
Dexter Spring Co., Hulton, Pa.
W. & E. T. Fitch, New Haven, Conn.
Henry Spring Co., Winsted, Conn.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
King Spring Co., Buffalo, N. Y.
Morgan Spring Co., Worcester, Mass.
Queen City Spring Co., Culvert & Harrison Sts., Cincinnati, O.
Wm. & Harvey Rowland, Frankford, Philadelphia, Pa.
Spring Perch Co., Bridgeport, Conn.
Edward Storm Spring Co., Ltd., Poughkeepsie, N. Y.
Sweet's Mfg. Co., Syracuse, N. Y.
Tuthill Spring Co., Hammond, Ind.
C. R. & J. C. Wilson Carriage Co., Detroit, Mich.
Chas. Wing & Co., Amesbury, Mass.
Wood, Smith & Co., Fort Plain, N. Y.
F. W. Wurster & Co., 375 Kent Av., Brooklyn, N. Y.

B. COACH SPRINGS.

Betts Spring Co., San Francisco, Cal.
Canton Spring Co., Canton, O.
De Lee & Hayes, Troy, N. Y.
E. R. Merrill, 530 W. 28th St., New York.
D. W. Shuler & Son, Amsterdam, N. Y.
Spring Perch Co., Bridgeport, Conn.
Wood, Smith & Co., Fort Plain, N. Y.

C. COIL SPRINGS.

Wallace Barnes, Bristol, Conn.
Buffalo Spring & Gear Co., Buffalo, N. Y.
De Lee & Hayes, Troy, N. Y.
A. French Spring Co., Ltd., Pittsburgh, Pa.
Morgan Spring Co., Worcester, Mass.
Tuthill Spring Co., Hammond, Ind.

D. WAGON SPRINGS.

Abbot Downing Co., Concord, N. H.
Allentown Platform Gear Co., Allentown, Pa.
Bridgeport Spring Co., Canton, O.
Canton Spring Co., Canton, O.
Cincinnati Spring Co., 8th & Gest Sts., Cincinnati, O.
De Lee & Hayes, Troy, N. Y.
A. French Spring Co., Ltd., Pittsburgh, Pa.
Haggard Wagon Spring Co., Lafayette, Ind.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Keystone Spring Works, 506 N. 13th St., Philadelphia, Pa.
E. R. Merrill, 530 W. 28th St., New York.
Morgan Spring Co., Worcester, Mass.
Mulholland Spring Co., Dunkirk, N. Y.
Ewald Over, Indianapolis, Ind.
Racine Bolster Spring Co., Racine, Wis.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Tuthill Spring Co., Hammond, Ind.
Weber Wagon Co., 81st & Wallace Sts., Chicago, Ill.
Wood, Smith & Co., Fort Plain, N. Y.
F. W. Wurster & Co., 375 Kent Av., Brooklyn, N. Y.
Youngstown Carriage & Wagon Co., Youngstown, O.

E. WAGON SPRINGS, RUBBER.

Boston Belting Co., 256 Devonshire St., Boston, Mass.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing, 15 Park Row, New York.
United Rubber Co., Trenton, N. J.

2972. SPRING SHACKLES.

R. & N. Eccles, Auburn, N. Y.
Pratt & Letchworth, Buffalo, N. Y.
H. D. Smith & Co., Plantsville, Conn.

2973. STAGES.

Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
J. F. Goodrich & Co., New Haven, Conn.

J. N. W. Sherman, 316 5th Av., Chicago, Ill.

2974. STAY ENDS.

Abbot Downing Co., Concord, N. H.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
M. Seward & Son, New Haven, Conn.
H. D. Smith & Co., Plantsville, Conn.
Wilcox & Howe Co., Birmingham, Conn.

2975. STEPS.

A. CARRIAGE STEPS.

Atwater Mfg. Co., Plantsville, Conn.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
Eberhard Mfg. Co., Cleveland, O.
E. L. Goodrich & Co., Fair Haven, Vt.
H. D. Smith & Co., Plantsville, Conn.
Pratt & Letchworth, Buffalo, N. Y.
Strieby & Foote, Newark, N. J.
Wilcox & Howe Co., Birmingham, Conn.

B. STEP HEADS.

H. D. Smith & Co., Plantsville, Conn.

C. STEP PADS.

Atwater Mfg. Co., Plantsville, Conn.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Cleveland Hardware Co., Cleveland, O.
C. Cowles & Co., New Haven, Conn.
Eberhard Mfg. Co., Cleveland, O.
Pratt & Letchworth, Buffalo, N. Y.
H. D. Smith & Co., Plantsville, Conn.

2976. SULKIES.

Bohanon & Williams, 163 Odgen Av., Chicago, Ill.
Tom Connolly, cor. 7th & Iowa Sts., Dubuque, Iowa.
W. S. Frazier, & Co., Aurora, Ill.
J. F. Goodrich & Co., New Haven, Conn.
McMurray & Fisher, Marion, O.
Parry Mfg. Co., Indianapolis, Ind.
Troy Carriage Works, Lansingburgh, N. Y.

2977. SURREYS.

Amesbury Carriage Co., Amesbury, Mass.
Anderson & Harris Carriage Co., Elmwood Place, O.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
J. B. Brewster & Co., 145 E. 25th St., New York.
Buckley Buggy Co., Columbus, O.
Columbus Buggy Co., Columbus, O.
Connersville Buggy Co., Connersville, Ind.
Tom Connolly, cor. 7th & Iowa Sts., Dubuque, Iowa.
Cook Carriage Co., 433 Spring Grove, Cincinnati, O. *12–15
Cortland Wagon Co., Cortland, N. Y.
A. T. Demarest & Co., 335 5th Av., New York.
Easton & Clark, 164 W. 2d St., Cincinnati, O.
W. G. Ellis & Son, Amesbury, Mass.
Geo. Enger & Co., Gest & Summer Sts., Cincinnati, O.
Favorite Carriage Co., 8th & Burns Sts., Cincinnati, O.
E. S. Feltch & Co., Amesbury, Mass.
Franklin Buggy Co., Columbus, O. *7
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
Hamilton Buggy Co., Hamilton, O.
Hitchcock Mfg. Co., Cortland, N. Y.
Indianapolis Wagon Co., Indianapolis, Ind.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
McFarlan Carriage Co., Connersville, Ind. *8–11
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
Queen City Carriage Co., Buffalo, N. Y.
J. M. Quimby & Co., Newark, N. J.
Racine Wagon & Carriage Co., Racine, Wis.
O. H. Short & Co., Syracuse, N. Y.
R. M. Stivers, 150 E. 35th St., New York.
Troy Buggy Works, Troy, O.
Troy Carriage Works, Lansingburgh, N. Y.
B. Veerkamp & Sons, 469 Walnut St., Cincinnati, O.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Youngstown Carriage & Wagon Co., Youngstown, O.

2978. TOPS.

A. CANOPY TOPS.

D. G. Beers & Co., Newtown, Conn.
I. E. Palmer, Middletown, Conn. *65

B. CANOPY TOP STANDARDS & SOCKETS.

C. Cowles & Co., New Haven, Conn.

M. Seward & Son, New Haven, Conn.

C. CARRIAGE TOPS.
Chicago Top & Cushion Co., 188 Ohio St., Chicago, Ill.
Cortland Top & Rail Co., Ltd., Cortland, N. Y.
Hitchcock Mfg. Co., Cortland, N. Y.
Kalamazoo Top Co., Kalamazoo, Mich.
C. Z. Kroh & Co., Toledo, O.
La Porte Wood Mfg. Co., La Porte, Ind.
Missouri Tent & Awning Co., 218 Chestnut St., St. Louis, Mo.
Nease, McLean & McGinniss, Pittsburgh, Pa.
O. B. North & Co., New Haven, Conn.
C. Pierpont & Co., New Haven, Conn.
Joel H. Woodman & Co., Hoboken, N. J.

D. WAGON TOPS.
Chicago Top & Cushion Co., 188 Ohio St., Chicago, Ill.
Excelsior Carriage Goods Co , Gest & Summer Sts., Cincinnati, O.
Kentucky Wagon Mfg. Co., Louisville, Ky.

2979. "T" CARTS.
H. H. Babcock Co., Watertown, N. Y.
J. B. Brewster & Co., 145 E. 25th St., New York.
Buffalo Spring & Gear Co., Buffalo, N. Y.
A. T. Demarest & Co.. 335 Fifth Av., New York.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
B. Manville & Co., New Haven, Conn.
J. M. Quimby & Co., Newark, N. J.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Lansingburgh, N. Y.

2980. TONGUE SUPPORTS.
Haggard Wagon Spring Co., Lafayette, Ind.
Weber Wagon Co., 81st & Wallace Sts., Chicago, Ill.

2981. TRACE ATTACHMENTS.
Pratt & Letchworth, Buffalo, N. Y.

2982. TRIMMINGS, CARRIAGE.
Atwood Bros. Mfg. Co., Amesbury, Mass.
Bridgeport Coach Lace Co., Bridgeport, Conn.
City Carriage Works, Fort Wayne, Ind.
Cortland Top & Rail Co., Ltd., Cortland, N. Y.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Phila., Pa.
C. Z. Kroh & Co., Toledo, O.
La Porte Wood Mfg. Co., La. Porte, Ind.
C. N. Lockwood & Co., Newark, N. J.
Metal Stamping Co., 406 E. 32d St., New York.
Nease, McLean & McGinniss, Pittsburgh, Pa.
C. Pierpont & Co., New Haven, Conn.
Chas. Wing & Co., Amesbury, Mass.

2983. UPHOLSTERY, CARRIAGE.

A. CARRIAGE BUTTONS.
American Solid Leather Button Co., Providence, R. I.
C. Cowles & Co., New Haven, Conn.
Wm. H. Horstmann, N. 5th & Cherry Sts., Philadelphia, Pa.

B. CARRIAGE FRINGES.
Bridgeport Coach Lace Co., Bridgeport, Conn.
Burr, Brown & Co., Hingham, Mass.
Wm. H. Horstmann, N. 5th & Cherry Sts., Philadelphia, Pa.
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.

C. CARRIAGE TASSELS.
Bridgeport Coach Lace Co., Bridgeport, Conn.
Wm. H. Horstmann, N. 5th & Cherry Sts., Philadelphia, Pa.
Schrack & Sherwood, 231 Market St., Philadelphia, Pa.

D. COACH LACE.
J. H. Booth, New Haven, Conn.
Bridgeport Coach Lace Co., Bridgeport, Conn.
Wm. H. Horstmann, N. 5th & Cherry Sts., Philadelphia, Pa.

E. LEATHER BUTTONHOLES.
Harris Button Hole Co., 243 Broadway, New York.

F. METAL BUTTONHOLES.
Dash & Carriage Goods Co., 134 Hunt St , Cincinnati, O.
Harris Button Hole Co., 243 Broadway, New York.

2984. VANS, FURNITURE.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.

2985. VICTORIAS.
Amesbury Carriage Co., Amesbury, Mass.
Biddle & Smart Co., Amesbury, Mass. *243
J. B. Brewster & Co., 145 E. 25th St., New York.
Geo. L. Brownell, New Bedford, Mass.
A. T. Demarest & Co., 335 5th Av., New York.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Henry Killam Co., Broadway & 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
J. M. Quimby & Co., Newark, N. J.
R. M. Stivers, 150 E. 31st St., New York.
Chauncey Thomas & Co., 101 Chestnut St., Boston, Mass.

Troy Carriage Works, Lansingburgh, N. Y.

2986. VILLAGE CARTS.
H. H. Babcock Co., Watertown, N. Y. *243
Biddle & Smart Co., Amesbury, Mass.
J. B. Brewster & Co., 145 E. 25th St., New York.
A. T. Demarest & Co , 335 5th Av., New York.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
Kimball Bros., 110 Sudbury St., Boston, Mass.
J. M. Quimby & Co., Newark, N. J.
R. M. Stivers, 150 E. 31st St., New York.

2987. VIS-A-VIS CARRIAGES.
Brewster & Co., 1581 Broadway, New York.
J. B. Brewster & Co., 145 E. 25th St., New York.
A. T. Demarest & Co., 335 5th Av., New York.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
J. F. Goodrich & Co., New Haven, Conn.
James Goold Co., 21 Union St., Albany, N. Y.
Henry Killam Co., Broadway & W. 54th St., New York.
Troy Carriage Works, Lansingburgh, N. Y.

2988. WAGONS.

A. ARMY WAGONS.
Bodley Wagon Co., Wheeling, W. Va.
Oscar S. Gillette, Indianapolis, Ind.
Kentucky Wagon Mfg. Co., Louisville, Ky.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

B. BAKERS' WAGONS.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

C. BREWERS' WAGONS.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

D. BUSINESS WAGONS.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

E. BUTCHERS' WAGONS.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

F. CANE WAGONS.
Bodley Wagon Co., Wheeling, W. Va.

G. COAL WAGONS.
Bodley Wagon Co., Wheeling, W. Va.
Milburn Wagon Co., Toledo, O.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

H. DELIVERY WAGONS.
Abbot-Downing Co., Concord, N. H.
Birdsell Mfg. Co., South Bend, Ind.
Briggs Carriage Co., Amesbury, Mass.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O.*12-15
Cortland Omnibus & Cab Co., Cortland, N. Y.
Creamer & Scott Co., Indianapolis, Ind.
Ferd. F. French & Co., Ltd., 14 Sudbury St., Boston, Mass.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
J. F. Goodrich & Co., New Haven, Conn.
W. P. Horner & Co., Danville, Va.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine Wis. *228
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
Troy Carriage Works, Lansingburgh, N. Y.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
Winona Wagon Co., Winona, Minn.

I. DUMPING WAGONS.
Bodley Wagon Co., Wheeling, W. Va.
Kentucky Wagon Mfg. Co., Louisville, Ky.

J. EXPRESS WAGONS.
Abbot-Downing Co., Concord, N. H.
Des Moines Buggy Co., Des Moines, Iowa.
Fenton & Dunn, Holyoke, Mass.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Moline Wagon Co., Moline, Ill.
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
O. H. Short & Co., Syracuse, N. Y.

K. FARM WAGONS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.

Bain Wagon Co., Ltd., Kenosha, Wis.
Benicia Agricultural Works, Benicia, Cal.
Birdsell Mfg. Co., South Bend, Ind.
Blount & Bell, East Point, Ga.
Bodley Wagon Co., Wheeling, W. Va.
Bradley, Holton & Co., Indianapolis, Ind.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Briggs Carriage Co., Amesbury, Mass.
Brown Mfg. Co., Zanesville, O.
John Burg & Sons, Burlington, Iowa.
John A. Chockelt, South Bend, Ind.
E. D. Clapp Wagon Co., Ltd., Auburn, N. Y.
W. H. & D. C. Conklin, Olean, N. Y.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
A. A. Cooper, Dubuque, Iowa.
Coquillard Wagon Works, South Bend, Ind.
Davidson, Blount & Co,, Evansville, Ind.
Donnohue & Madden, Mendota, Ill.
Edgecombe Agricultural Works, Tarboro', N. C.
Fish Bros. Wagon Co., Racine, Wis.
Flint Wagon Works, Flint, Mich.
Florence Wagon Co., Florence, Ala.
Funck & Hertzler, Burlington, Iowa.
William Harrison, Grand Rapids, Mich.
Hertwick, Baltzer & Co., Hickman, Ky.
W. P. Horner & Co., Danville, Va.
Kansas Mfg. Co., Leavenworth, Kan.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Ketchum Wagon Co., Marshalltown, Iowa.
King & Hamilton Co., Ottawa, Ill.
La Belle Wagon Works, Fond-du-Lac, Wis.
Lang & Bro., Farmington, Mo.
Lansing Wagon Works, Lansing, Mich.
McCardell, West & Farrell, Trenton, N. J.
Macomb Wagon Co., Macomb, Ill.
Marshall Bros., Pittsburgh, Pa.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Moline Wagon Co., Moline, Ill.
Neal, Johns & Co., Lake City, Minn.
Newton Wagon Co., Batavia, Ill.
North Carolina Wagon Co., Raleigh, N. C.
North Western Mfg. Co., Fort Atkinson, Wis.
Olds Wagon Works, Fort Wayne, Ind.
Ruka Bros. Mfg. Co., Boscobel, Wis.
Peter Sames, Rockford, Ill.
Schuttler & Hotz, 45 W. Monroe St., Chicago, Ill.
Sheffield Agricultural & Machine Works, Sheffield, Ala.
T. & H. Smith & Co., Pekin, Ill.
South Bend Wagon Co., South Bend, Ind.
A. B. Spies, Sterling, Ill.
Studebaker Bros. Mfg. Co., South Bend, Ind.
Standard Wagon Co., 1000 W. 8th St., Cincinnati, O.
St. Lawrence Mfg. Co., Gouverneur, N. Y.
Sutton Bros. & Bell, Indiana, Pa.
B. F. & H. L. Sweet, Fond-du-Lac, Wis.
Turnbull Wagon Co., Defiance, O.
Van Brunt & Wilkins Mfg. Co., Horicon, Wis.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Weber Wagon Co., 81st & Wallace Sts., Chicago, Ill.
Webster Wagon Co., Moundsville, W. Va.
Western Wheel Scraper Co., Mount Pleasant, Iowa.
Williams Bros., Ithaca, N. Y.
Winchester & Partridge Mfg. Co., Whitewater, Wis.
Winona Wagon Co., Winona, Minn.
A. Wrenn & Son, Norfolk, Va.

L. FREIGHT WAGONS.

Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
Bain Wagon Co., Ltd., Kenosha, Wis.
Bodley Wagon Co., Wheeling, W. Va.
A. A. Cooper, Dubuque, Iowa.
Creamer & Scott Co., Indianapolis, Ind.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
S. G. Gedney, 317 W. 13th St., New York.
W. P. Horner & Co., Danville, Va.
Kentucky Wagon Mfg. Co., Louisville, Ky.
La Belle Wagon Works, Fond-du-Lac, Wis.

Mitchell & Lewis Co., Ltd., Racine, Wis. *228
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

M. FURNITURE WAGONS.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
J. H. Michael & Co., 25 E. 8th St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

N. GRAIN WAGONS.
A. A. Cooper, Dubuque, Iowa.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228

O. GROCERY WAGONS.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

P. ICE WAGONS.
Cortland Omnibus & Cab Co., Cortland, N. Y.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

Q. LAUNDRY WAGONS.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
Koenig & Luhrs Carriage Co., Quincy, Ill.
J. H. Michael & Co., 25 E. 8th St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
Staver & Abbott Mfg. Co., 383 Wabash Av., Chicago, Ill.

R. LIVE STOCK WAGONS.
Shipman, Bradt & Co., De Kalb, Ill.

S. LOG WAGONS.
Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
Bain Wagon Co., Ltd., Kenosha, Wis.
Blount & Bell, East Point, Ga.
Bodley Wagon Co., Wheeling, W. Va.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Kingsland & Douglas Mfg. Co., 1521 N. 11th St., St. Louis, Mo.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Moline Wagon Co., Moline, Ill.

T. LUMBER WAGONS.
Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
Birdsell Mfg. Co., South Bend, Ind.
Bodley Wagon Co., Wheeling, W. Va.
A. A. Cooper, Dubuque, Iowa.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Williams Bros., Ithaca, N. Y.

U. MAIL WAGONS.
Abbot-Downing Co., Concord, N. H.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

V. MARKET WAGONS.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
A. A. Cooper, Dubuque, Iowa.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Moline Wagon Co., Moline, Ill.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

W. MILK WAGONS.
A. A. Cooper, Dubuque, Iowa.
Cortland Omnibus & Cab Co., Cortland, N. Y.
Fulton & Walker Co , c. N. 20th & Filbert Sts., Philadelphia, Pa.
Jackson Mfg. Co., Harrisburg, Pa.
Philip Klopp & Son, 565 Race St., Cincinnati, O.
Milburn Wagon Co., Toledo, O.
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

X. ORE WAGONS.
Bain Wagon Co., Ltd., Kenosha, Wis.
Dickson Mfg. Co., Scranton, Pa.

Y. OVERLAND WAGONS.
Abbot-Downing Co., Concord, N. H.

Z. SKELETON WAGONS.
W. S. Frazier & Co., Aurora, Ill.
McMurray & Fisher, Marion, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228

AA. TRUCK WAGONS.
Bain Wagon Co., Ltd., Kenosha, Wis.
Bodley Wagon Co., Wheeling, W. Va.
Butterworth & Lowe, Grand Rapids, Mich.

Cortland Omnibus & Cab Co., Cortland, N. Y.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
S. D. Gedney, 317 W. 13th St., New York.
Kentucky Wagon Mfg. Co., Louisville, Ky.
Philip Klopp & Son. 565 Race St., Cincinnati, O.
La Belle Wagon Works, Fond-du-Lac, Wis.
Mecklenburg Iron Works, Charlotte, N. C.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Niles & Scott Co., La Porte, Ind.
Racine Wagon & Carriage Co., Racine, Wis.

BB. TRUCK WAGONS, SPRING.
H. H. Babcock Co., Watertown, N. Y.
Bain Wagon Co., Ltd., Kenosha, Wis.
Benicia Agricultural Works, Benicia, Cal.
Birdsell Mfg. Co., South Bend, Ind.
Bodley Wagon Co., Wheeling, W. Va.
Coquillard Wagon Works, South Bend, Ind.
S. D. Gedney, 317 W. 13th St., New York.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Olds Wagon Works, Fort Wayne, Ind.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
Williams Bros., Ithaca, N. Y.

CC. TURPENTINE WAGONS.
Bodley Wagon Co., Wheeling, W. Va.
Kentucky Wagon Mfg. Co., Louisville, Ky.

DD. UNDERTAKERS' WAGONS.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
James Goold Co., Albany, N. Y.
Rock Falls Mfg. Co., Sterling, Ill.

EE. WAREHOUSE WAGONS.
S. D. Gedney, 317 W. 13th St., New York.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

FF. WATER & FUEL WAGONS.
Birdsall Co., Auburn, N. Y.
J. I. Case Threshing Machine Co., Racine, Wis.
Daley Mfg. Co., De Kalb, Ill.
Frick Co., Waynesboro', Pa. *153
Harrisburg Car Mfg. Co. (Fdry. & Mach. Dept.), Harrisburg, Pa.
Orrville Machine Co., Orrville, O.

GG. WAGONS IN THE WHITE.
Selle Gear Co., Akron, O.

2989. WAGONS, PASSENGER.

A. AMBULANCE WAGONS.
Abbot-Downing Co., Concord, N. H.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

B. AUSTRALIAN WAGONS.
Abbot-Downing Co., Concord, N. H.

C. BEACH WAGONS.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O.* 12–15
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.

D. CONCORD WAGONS.
Abbot-Downing Co., Concord, N. H.
W. G. Ellis & Son, Amesbury, Mass.
J. F. Goodrich & Co., New Haven, Conn.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228

E. DEPOT WAGONS.
Amesbury Carriage Co., Amesbury, Mass.
J. B. Brewster & Co., 145 E. 25th St., New York.
J. F. Goodrich & Co., New Haven, Conn.
Indianapolis Wagon Co., Indianapolis, Ind.
Henry Killam Co., Broadway & W. 54th St., New York.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Racine Wagon & Carriage Co., Racine, Wis.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
R. M. Stivers, 150 E. 31st St., New York.

F. FLORIDA WAGONS.
Abbot-Downing Co., Concord, N. H.

G. MOUNTAIN WAGONS.
Abbot-Downing Co., Concord, N. H.
Amesbury Carriage Co., Amesbury, Mass.
Bodley Wagon Co., Wheeling, W. Va.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
La Belle Wagon Works, Fond-du-Lac, Wis.
Mitchell & Lewis Co., Ltd., Racine, Wis.
Moline Wagon Co., Moline, Ill.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

H. PARK WAGONS.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Mitchell & Lewis Co., Ltd., Racine, Wis. *228

I. PATROL WAGONS.
Cortland Omnibus & Cab Co., Cortland, N. Y.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.

J. PLANTATION WAGONS.
Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich.
Bain Wagon Co., Ltd., Kenosha, Wis.
Bodley Wagon Co., Wheeling, W. Va.

Mitchell & Lewis Co., Ltd., Racine, Wis. *228

K. PONY WAGONS.
H. H. Babcock Co., Watertown, N. Y.
R. M. Bingham & Co., Rome, N. Y.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Paris Mfg. Co., S. Paris, Me.

L. ROAD WAGONS.
American Cart Co., Kalamazoo, Mich.
H. H. Babcock Co., Watertown, N. Y.
Benicia Agricultural Works, Benicia, Cal.
Biddle & Smart Co., Amesbury, Mass. *243
Bohanon & Williams, 161 Ogden Av., Chicago, Ill.
J. B. Brewster & Co., 145 E. 25th St., New York.
Canton Buggy & Gear Co., Canton, O.
Columbus Buggy Co., Columbus, O.
Tom Connolly, Dubuque, Iowa.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Cortland Wagon Co., Cortland, N. Y.
Easton & Clark, 164 W. 2d St., Cincinnati, O.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
Favorite Carriage Co., 8th & Burns Sts., Cincinnati, O.
E. S. Feltch & Co., Amesbury, Mass.
Flint Wagon Works, Flint, Mich.
W. S. Frazier & Co., Aurora, Ill,
J. F. Goodrich & Co., New Haven, Conn.
Indianapolis Wagon Co., Indianapolis, Ind.
Henry Killam Co., Broadway & W. 54th St., New York.
McFarlan Carriage Co., Connersville, Ind. *8–11
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
Parry Mfg. Co., Indianapolis, Ind.
R. M. Stivers, 150 E. 31st St., New York.
Troy Carriage Works, Lansingburgh, N. Y.
B. Veerkamp & Sons, 469 Walnnt St., Cincinnati, O.
Youngstown Carriage & Wagon Co., Youngstown, O.

M. SPEED WAGONS.
W. S. Frazier & Co., Aurora, Ill.
C. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.
McFarlan Carriage Co., Connersville, Ind. *8–11
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.

N. SPRING WAGONS.
Anderson & Harris Carriage Co., Elmwood Place, O.
Bain Wagon Co., Ltd., Kenosha, Wis.
Benicia Agricultural Works, Benicia, Cal.
Biddle & Smart Co., Amesbury, Mass. *243
R. M. Bingham & Co., Rome, N. Y.
Birdsell Mfg. Co., South Bend, Ind.
Bradley & Co., Syracuse, N. Y.
Bradley & Holton Co., Indianapolis, Ind.
Geo. L. Brownell, New Bedford, Mass.
John Burg & Sons, Burlington, Iowa.
John A. Chockelt, South Bend, Ind.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Collins Mfg. Co., Jackson, Mich.
Columbus Buggy Co., Columbus, O.
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O.*12–15
Coquillard Wagon Works, South Bend, Ind.
Cortland Wagon Co., Cortland, N. Y.
Easton & Clark, 164 W. 2d St., Cincinnati, O.
Emerson & Fisher Co., John & Findlay Sts., Cincinnati, O.
George Enger & Co., Gest & Summer Sts., Cincinnati, O.
Eureka Co., Rock Falls, Ill.
E. S. Feltch & Co., Amesbury, Mass.
Fish Bros. Wagon Co., Racine, Wis.
Flint Road Cart Co., Flint, Mich.
Funck & Hertzler, Burlington, Iowa.
Gate City Carriage Co., Winona, Minn.
Haydock Bros., Papin cor. 14th St., St. Louis, Mo.
T. T. Haydock Carriage Co., 12th & Plum Sts., Cincinnati, O.
Henney Buggy Co., Freeport, Ill.
Hitchcock Mfg. Co., Cortland, N. Y.
Indianapolis Wagon Co., Indianapolis, Ind.
Kalamazoo Wagon Co., Kalamazoo, Mich.
Kansas Mfg. Co., Leavenworth, Kan.
Kauffmann Buggy Co., Miamisburg, O.
Kentucky Wagon Mfg. Co., Louisville, Ky.
La Belle Wagon Works, Fond-du-Lac, Wis.
Lansing Wagon Works, Lansing, Mich.
Lawrence & Chapin Co., Kalamazoo, Mich.
McCardell, West & Farrell Carriage Co., Trenton, N. J

McFarlan Carriage Co., Connersville, Ind. *8–11
McMurray & Fisher, Marion, O.
Macomb Wagon Co., Macomb, Ill.
Michigan Buggy Co., Kalamazoo, Mich.
Milburn Wagon Co., Toledo, O.
Mitchell & Lewis Co., Ltd., Racine, Wis. *228
Moline Buggy Co., Moline, Ill.
Moline Wagon Co., Moline, Ill.
H. A. Moyer, Syracuse, N. Y.
Newton Wagon Co., Batavia, Ill.
North Western Mfg. Co., Fort Atkinson, Wis.
Ohio Buggy Co., Columbus, O.
Overman Carriage Co., 10 E. 4th St., Cincinnati, O.
Racine Wagon & Carriage Co., Racine, Wis.
Ruka Bros. Mfg. Co., Boscobel, Wis.
Rumsey Mfg. Co., Detroit, Mich.
Peter Sames, Rockford, Ill.
San Jose Agricultural Works, San Jose, Cal.
Schelp Wagon & Carriage Co., 229 Carr St., St. Louis, Mo.
Schuttler & Hotz, 45 W. Monroe St., Chicago, Ill.
Scioto Buggy Co., Columbus, O.
Selle Gear Co., Akron, O.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
T. & H. Smith & Co., Pekin, Ill.
A. B. Spies, Sterling, Ill.
Standard Wagon Co., 1000 W. 8th St., Cincinnati, O.
R. M. Stivers, 159 E. 31st St., New York.
Studebaker Bros. Mfg. Co., South Bend, Ind.
B. F. & H. L. Sweet, Fond-du-Lac, Wis.
Troy Carriage Works, Lansingburgh, N. Y.
B. Veerkamp & Sons, 469 Walnut St., Cincinnati, O.
Waterloo Wagon Co., Ltd., Waterloo, N. Y.
Watertown Spring Wagon Co., Watertown, N. Y.
Weber Wagon Co., 81st & Wallace Sts., Chicago, Ill.
Winona Wagon Co., Winona, Minn.
A. Wrenn & Son, Norfolk, Va.
Youngstown Carriage & Wagon Co., Yonngstown, O.

O. WAGONETTES.
H. H. Babcock Co., Watertown, N. Y.
Biddle & Smart Co., Amesbury, Mass. *243
Cook Carriage Co., 433 Spring Grove Av., Cincinnati, O. *12–15
Cortland Omnibus & Cab Co., Cortland, N. Y.
W. G. Ellis & Son, Amesbury, Mass.
E. S. Feltch & Co., Amesbury, Mass.
Fulton & Walker Co., c. N. 20th & Filbert Sts., Philadelphia, Pa.
J. F. Goodrich & Co., New Haven, Conn.
Henry Killam Co., Broadway & W. 54th St., New York.
C. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.
J. N. W. Sherman, 316 5th Av., Chicago, Ill.
Troy Carriage Works, Lansingburgh, N. Y.

2990. WAGON BUMPERS.
Chicago Rubber Works, 230 Randolph St., Chicago, Ill.
Home Rubber Co., Trenton, N. J.

2991. WAGON SEAT RISERS.
Pratt & Letchworth, Buffalo, N. Y.

2992. WASHERS, CARRIAGE.

A. AXLE WASHERS.
Chicago Rawhide Mfg. Co., 77 Ohio St., Chicago, Ill.
R. Hoffeld & Co., Buffalo, N. Y.
I. G. Marston & Co., 226 Ruggles St., Boston, Mass. *250
C. E. Sovereign, Rockford, Ill.
Vulcanized Fibre Co., Wilmington, Del.

B. PROP BLOCK WASHERS.
Parker Carriage Goods Co., 136 Hunt St., Cincinnati, O.

2993. WHEELS.

A. CARRIAGE WHEELS.
Abbot-Downing Co., Concord, N. H.
American Axle & Wheel Co., 143 Liberty St., New York.
American Wheel Co , 205 La Salle St., Chicago, Ill.
Biddle & Smart Co., Amesbury, Mass. *243
Columbus Buggy Co., Columbus, O.
W. T. Craft, Trenton, N. J.
Dann Bros. & Co., New Haven, Conn.
Downey Bros., Lancaster, Pa.
Eagle Spoke & Bending Works, Lancaster, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Johnson Wheel Co., Portsmouth, O.
Phineas Jones & Co , Newark, N. J.
New Haven Wheel Co., New Haven, Conn.
Niles & Scott Co., La Porte, Ind.

Portsmouth Wheel Co., Portsmouth, O.
Stockton Wheel Co., Stockton, Cal.
Wilmington Wheel Co., Wilmington, Del.
Zwick, Greenwald & Co., Ltd., Dayton, O.

B. CHILDREN'S CARRIAGE WHEELS.
S. A. Smith & Co., Brattleboro', Vt. *102
Tuthill Spring Co., Hammond, Ind.

C. IRON HUB WHEELS.
American Wheel Co., 205 La Salle St., Chicago, Ill.
New Haven Wheel Co., New Haven, Conn.
Niles & Scott Co., La Porte, Ind.

D. SARVEN WHEELS.
American Wheel Co., 205 La Salle St., Chicago, Ill.
Boston Sarven Wheel Co., 43 Beverly St., Boston, Mass.
W. T. Craft, Trenton, N. J.
Holt Bros. Mfg. Co., Concord, N. H.
New England Wheel Co., Bridgeport, Conn.
New Haven Wheel Co., New Haven, Conn.
Royer Wheel Co., 338 W. 3d St., Cincinnati, O.
Stockton Wheel Co., Stockton, Cal.
Wheel & Wood Bending Co., Bridgeport, Conn.

E. WAGON WHEELS.
Allentown Platform Gear Co., Allentown, Pa.
American Wheel Co., 205 La Salle St., Chicago, Ill.
Batavia Carriage Wheel Co., Batavia, N. Y.
S. N. Brown & Co., Dayton, O.
Dann Bros. & Co., New Haven, Conn.
Eberly & Orris, Mechanicsburg, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Phineas Jones & Co., Newark, N. J.
Lambertville Spoke Mfg. Co., Lambertville, N. J.
New Haven Wheel Co., New Haven, Conn.
Niles & Scott Co., La Porte, Ind.
Olds Wagon Works, Fort Wayne, Ind.
Portsmouth Wheel Co., Portsmouth, O.
Royer Wheel Co., 338 W. 3d St., Cincinnati, O.
Stack & Holcombe, Frenchtown, N. J.
Stockton Wheel Co., Stockton, Cal.
Wheel & Wood Bending Co., Bridgeport, Conn.
Zwick, Greenwald & Co., Ltd., Dayton, O.

F. WOOD HUB WHEELS.
American Wheel Co., 205 La Salle St., Chicago, Ill.
W. T. Craft, Trenton, N. J.
Holt Bros. Mfg. Co., Concord, N. H.
New England Wheel Co., Bridgeport, Conn.
New Haven Wheel Co., New Haven, Conn.
Stockton Wheel Co., Stockton, Cal.
Wheel & Wood Bending Co., Bridgeport, Conn.

2994. WHEEL PARTS.

A. FELLOES.
American Wheel Co., 205 La Salle St., Chicago, Ill.
S. H. Brown & Co., Dayton, O.
W. T. Craft, Trenton, N. J.
J. A. Gleason & Bro., Van Wert, O.
Holt Bros. Mfg. Co., Concord, N. H.
New England Wheel Co., Bridgeport, Conn.
New Haven Wheel Co., New Haven. Conn.
Phineas Jones & Co., Newark, N. J.
Webster Mfg. Co., Menasha, Wis.
Wheel & Wood Bending Co., Bridgeport, Conn.
G. A. Whitney, Hartsburg, O.
Zwick, Greenwald & Co., Ltd., Dayton, O.

B. HUBS & SPOKES.
American Wheel Co., 205 La Salle St., Chicago, Ill.
Boston Sarven Wheel Co., 43 Beverly St., Boston, Mass.
S. N. Brown & Co., Dayton, O.
Cato Wagon Hub Mfg. Co., Cato, N. Y.
Chester & Keller Mfg. Co., Victor & Main Sts., St. Louis, Mo.
Clark Mfg. Co., Cadott, Wis.
Dann Bros. & Co., New Haven, Conn.
J. W. Dann Mfg. Co., Columbus, O.
Eagle Spoke & Bending Works, 241 W. Queen St.,,Lancaster, Pa.
Fleming & Gordon, Harrington, Del.
Fulton, Conway & Co., Louisville, Ky.
Gibson-Moore Mfg. Co., Aberdeen, Miss.
Thos. Graham & Co., Madison, Ind.
Hagerstown Spoke & Bending Co., Hagerstown, Md.
N. B. Hearn & Bro., Laurel, Del.
Holt Bros. Mfg. Co., Concord, N. H.
Johnson Wheel Co., Portsmouth, O.
Phineas Jones & Co., Newark, N. J.
Lambertville Spoke Mfg. Co., Lambertsville, N. J.
Louisville Spoke Co., Louisville, Ky.

New England Wheel Co., Bridgeport, Conn.
New Haven Wheel Co., New Haven, Conn.
Niles & Scott Co., La Porte, Ind.
Ohio Wheel Co., Delphos, O.
Phila. Coach Material Co., Ltd., 126 W. 3d St., Philadelphia, Pa.
Rochester Wheel Co , Rochester, N. Y.
T. Smith & Co., Geneva, N. Y.
Toledo Carriage Wood Work Co., Toledo, O.
Tuttle & Lyon, Shorter's Depot, Ala.
Von Behren Mfg. Co., Evansville, Ind.
Wheel & Wood Bending Co., Bridgeport, Conn.
Zwick, Greenwald & Co., Ltd., Dayton, O.

C. RIMS.
American Wheel Co., 205 La Salle St., Chicago, Ill.
W. T. Craft, Trenton, N. J.
J. W. Dann Mfg. Co., Columbus, O.
Oscar S. Gillette, Indianapolis, Ind.
Holt Bros. Mfg. Co., Concord, N. H.
Phineas Jones & Co., Newark, N. J.
New Haven Wheel Co., New Haven, Conn.
Niles & Scott Co., La Porte, Ind.
J. H. Polsdorfer & Sons, Evansville, Ind.
Rochester Wheel Co., Rochester, N. Y.
Turnbull Wagon Co., Defiance, O.
West Falmouth Mfg. Co., W. Falmouth, Me.

2995. WHIFFLETREES.

A. SINGLETREES.
S. N. Brown & Co., Dayton, O.
Cleveland Hardware Co., Cleveland, O.
Hartwell Bros., Delphos, O.
Kerr Bros. & Co., Hicksville, O.
McCosh Iron & Steel Co., Burlington, Iowa.
Niles & Scott Co., La Porte, Ind.
Nixdorff-Krein Mfg. Co., 900 Howard St., St. Louis, Mo.
Standard Gig Saddle Co., Jackson, Mich.
Toledo Carriage Wood Work Co., Toledo, O.
Tuttle & Lyon, Shorter's Depot, Ala.
J. J. Wright, Bremen, Ind.

B. SPRING WHIFFLETREES.
Jeffrey Mfg. Co., Columbus, O.

C. STEEL WHIFFLETREES.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

D. WHIFFLETREE HOOKS.
Pratt & Letchworth, Buffalo, N. Y.

E. WHIFFLETREE IRONS.
C. Cowles & Co., New Haven, Conn.
Eberhard Mfg. Co., Cleveland, O.
English & Mersick, New Haven, Conn.
McCosh Iron & Steel Co., Burlington, Iowa.
Pratt & Letchworth, Buffalo, N. Y.

2996. WHIP SOCKETS.
C. Cowles & Co., New Haven, Conn.
Dash & Carriage Goods Co., 134 Hunt St., Cincinnati, O.
W. & E. T. Fitch, New Haven, Conn.
D. D. Fraser, Beverly, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Metal Stamping Co., 406 E. 32d St., New York.
Pratt & Letchworth, Buffalo, N. Y.
Racine Malleable & Wrought Iron Co., Racine, Wis.
E. W. Scott, Danielsonville, Conn.

2997. WOOD STOCK.

A. CARRIAGE WOOD STOCK.
Oscar S. Gillette, Indianapolis, Ind.
J. A. Gleason & Bro., Van Wert, O.
S. D. Kimbark, Quincy, Mich.
Robt. Rowe & Sons, Brentwood, N. H.

B. WAGON WOOD STOCK.
Oscar S. Gillette, Indianapolis, Ind.
Hurlbut Mfg. Co., Racine Junction, Wis.
Kansas City & Southern Lumber Co., Kansas City, Mo.
S. D. Kimbark, Quincy, Mich.
Toledo Bending Co., Toledo, O.
Webster Mfg. Co., Menasha, Wis.

C. WHEEL STOCK.
American Wheel Co., 205 La Salle St., Chicago, Ill.
Coss Mfg. Co., Lima, O.
Oscar S. Gillette, Indianapolis, Ind.
Holt Bros. Mfg. Co., Concord, N. H.

2998. WOODWORK.

A. BENT WOODWORK.
Dann Bros. & Co., New Haven, Conn.
J. W. Dann Mfg. Co., Columbus, O.
Oscar S. Gillette, Indianapolis, Ind.
Logansport Mfg. Co., Logansport, Ind.
Ohio Wheel Co., Delphos, O.
J. H. Polsdorfer & Sons, Evansville, Ind.
Ruka Bros. Mfg. Co., Boscobel, Wis.

Joseph Schwartz, New Orleans, La.
T. Smith & Co., Geneva, N. Y.
Snyder & Son, Piqua, O.
Toledo Bending Co., Toledo, O.
Von Behren Mfg. Co., Evansville, Ind.
Wheel & Wood Bending Co., Bridgeport, Conn.
John J. Wright, Bremen, Ind.

B. CARRIAGE WOODWORK.
American Wheel Co., 205 La Salle St., Chicago, Ill.
F. T. Clymer Co., Wilmington, Del.
Dann Bros. & Co., New Haven, Conn.
J. W. Dann Mfg. Co., Columbus, O.
Oscar S. Gillette, Indianapolis, Ind.
C. H. Gillette & Co., Indianapolis, Ind.
H. T. Morten Mfg. Co., Depot & South Sts., Cincinnati, O.
Ruka Bros. Mfg. Co., Boscobel, Wis.
Wheel & Wood Bending Co., Bridgeport, Conn.

C. HEARSE WOODWORK.
F. T. Clymer Co., Wilmington, Del.

D. SLEIGH WOODWORK.
Dann Bros. & Co., New Haven, Conn.
Toledo Bending Co., Toledo, O.
John J. Wright, Bremen, Ind.

E. WAGON WOODWORK.
J. W. Dann Mfg. Co., Columbus, O.
Oscar S. Gillette, Indianapolis, Ind.
John J. Wright, Bremen, Ind.

2999. YOKES.
Atwater Mfg. Co., Plantsville, Conn.
E. D. Clapp Mfg. Co., Auburn, N. Y.
Oscar S. Gillette, Indianapolis, Ind.
M. Seward & Son, New Haven, Conn.
Walter W. Woodruff & Sons, Mount Carmel, Conn.

XLIII. WEARING APPAREL.

3000. APRONS.
G. M. Hitchins & Co., Albany, N. Y.
J. H. Hollingsworth & Co., 552 Broadway, New York.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
Rosenthal Bros., 46 Greene St., New York.
Shoninger Bros. & Co., 194 5th Av., Chicago, Ill.
United Shirt & Collar Co., Troy, N. Y.

A. BUTCHERS' APRONS.
John F. Carter, Beverly, Mass.
H. D. Overdier & Co., 116 S. Halstead St., Chicago, Ill.

B. ICE APRONS.
Cleveland Rubber Co., Cleveland, O.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.

C. LADIES' RUBBER APRONS.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

D. LINEN APRONS.
S. L. Munson, Albany, N. Y.
Rosenthal Bros., 46 Greene St., New York.
United Shirt & Collar Co., Troy, N. Y.

E. MECHANICS' APRONS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

F. RUBBER APRONS.
American Rubber Co., Cambridgeport, Mass.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

G. TANNERS' APRONS.
John F. Carter, Beverly, Mass.

3001. ATHLETIC CLOTHING.
A. G Spalding & Bros., 241 Broadway, New York.

3002. BATH ROBES.
Alfred Benjamin & Co., 15 Waverly Place, New York.
Macullar, Parker & Co., 398 Washington St., Boston, Mass.
Wm. H. Richardson & Co., 385 Washington St., Boston, Mass.
Rogers, Peet & Co., 569 Broadway, New York.

3003. BATHING SUITS.
Kahnweiler & Roeder, 411 Broadway, New York.
A. G. Spalding & Bros., 241 Broadway, New York.

3004. BELTS.

A. ATHLETES' BELTS.
P. Goldsmith & Co., Covington, Ky.
A. G. Spalding & Bros., 241 Broadway, New York.

B. FIRE BELTS.
Anderson & Jones, 125 Grand St., New York.
Cairns & Bro., 143 Grand St., New York.

Thos. Godson & Son, Troy, N. Y.
Martin Weydig & Son, New Orleans, La.

C. LADIES' BELTS.
Chapman Mfg. Co., Meriden, Conn.
A. Hahn & Co., 296 Broadway, New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
M. W. Lipper & Co., 80 Franklin St., New York.
Maas, Blum & Co., 370 Broadway, New York.
John Mehl & Co., Jersey City, N. J.
Scheuer & Bro., 359 Broadway, New York.
Edw. Simon & Bros., Newark, N. J.

D. LEATHER BELTS.
Brown Bros. & Co., Providence, R. I.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Lehman & Clark, Hoboken, N. J.
Maas, Blum & Co., 370 Broadway, New York.
John Mehl & Co., Jersey City, N. J.

E. MANILLA BELTS.
American Novelty Shoe Co., 628 Cherry St., Philadelphia, Pa.

F. SWORD BELTS.
Ames Sword Co., Chicopee, Mass.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

3005. BIBS.
T. O. Gardner & Co., 39 Kingston St., Boston, Mass.
G. Sidenberg & Co., 49 Mercer St., New York.

A. RUBBER BIBS.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

3006. BLAZERS.
Alfred Benjamin & Co., 15 Waverly Place, New York.
Brokaw Mfg. Co., Newburg, N. Y.
Rogers, Peet & Co., 569 Broadway, New York.

3007. BLOUSES, FLANNEL.
Brokaw Mfg. Co., Newburg, N. Y.
Leo Stern & Bro., 633 Broadway, New York.
Weil, Haskell & Co., 483 Broadway, New York.

3008. BUSTLES.
Akron Rubber Works, Akron, O.
Bradley, Voorhees & Day Mfg. Co., Ltd., 85 White St., New York.
A. H. Brinkman & Co., Baltimore, Md.
Canfield Rubber Co., Bridgeport, Conn.
Ferris Bros., 341 Broadway, New York.
Standard Knitting Mills, 253 Church St., New York.
Weston & Wells Mfg. Co., 1115 Cherry St., Philadelphia, Pa.

3009. CAPS.

A. ATHLETES' CAPS.
P. Goldsmith & Co., Covington, Ky.
Thos. C. Love & Son, 6th St. & Susquehanna Av., Philadelphia, Pa.
A. G. Spalding & Bros., 241 Broadway, New York.

B. BATHING CAPS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

C. CAPE CAPS.
Cleveland Rubber Co., Cleveland, O.
Goodyear Rubber Co., 487 Broadway, New York.

D. CHILDREN'S CAPS.
Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.
Lasky & Levy, 101 Bleecker St., New York.
Henry Zauner, 606 Arch St., Philadelphia, Pa.

E. CLOTH CAPS.
Lasky & Levy, 101 Bleecker St., New York.
S. Simonson, 197 Greene St., New York.

F. FIREMEN'S CAPS.
Anderson & Jones, 125 Grand St., New York.

G. FUR CAPS.
E. Baker, 103 Wooster St., New York.
F. Booss & Bro., 26 Mercer St., New York.
S. Cohen, 78 Greene St., New York.
C. G. Gunther's Sons, 184 5th Av., New York.
Hansen's Empire Fur Factory, Milwaukee, Wis.
Lasky & Levy, 101 Bleecker St., New York.
H. Lichtenstein's Sons, 107 Greene St., New York.
Newman Bros., 126 Greene St., New York.
Simmons, Mischo & Co., 20 Bond St., New York.
Treadwell & Co., Albany, N. Y.

H. HUNTING CAPS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

I. INFANTS' CAPS.
H. Bornemann, Newark, N. J.
S. C. Cahn & Co., 95 Prince St., New York.
Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.
F. Herzig & Co., 113 Prince St., New York.
J. H. Hollingsworth & Co., 552 Broadway, New York.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
Rosenthal Bros., 46 Greene St., New York.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.
Shoninger Bros. & Co., 194 5th Av., Chicago, Ill.
Stern & Schloss, 32 Howard St., New York.
Wightman & Co., 108 Greene St., New York.

J. KNIT CAPS.
A. Beilman & Co., 152 Market St., Chicago, Ill.
Hodgman Rubber Co., 459 Broadway, New York.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.

K. LADIES' CAPS.

S. L. Munson, Albany, N. Y.
James Thomas, 619 Broadway, New York.
Henry Zauner, 606 Arch St., Philadelphia, Pa.

L. RUBBER CAPS.

American Rubber Co., Cambridgeport, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Tyer Rubber Co., Andover, Mass.

M. SCOTCH CAPS.

Amazon Hosiery Co., Michigan City, Ind.
Hatheway & Reynolds, Oriskany Falls, N. Y.
Lynch Scotch Cap Co., Utica, N. Y.
Mohawk Valley Cap Factory, Utica, N. Y.
D. W. Northrup & Co., Utica, N. Y.
J. H. Van Dyke, Jr., Milwaukee, Wis.

N. SEAL SKIN CAPS.

C. C. Shayne, 103 Prince St., New York.
J. Simmons, 20 Bond St., New York.

O. TOBOGGAN CAPS.

A. Beilman & Co., 152 Market St., Chicago, Ill.

3010. CLOAKS & SUITS.

J. Ablowich & Co., 403 Broadway, New York.
Louis Adler, 205 Madison St., Chicago, Ill.
Joseph Beifield & Co., 255 Jackson St., Chicago, Ill.
B. Bischof's Sons, 268 W. 4th St., Cincinnati, O.
Gustave Blum & Bro., 51 Walker St., New York.
Blumenthal Bros. & Co., 452 Broadway, New York.
H. Danzig & Co., 472 Broadway. New York.
A. Ellinger & Co., 282 Madison St., Chicago, Ill.
Jos. Fish & Co., 114 State St., Chicago, Ill.
Freedman Bros., 332 Canal St., New York.
A. Friedlander & Co., 377 Broadway, New York.
Goldman Bros., 101 Greene St., New York.
L. Heilprin & Co., 248 Market St., Chicago, Ill.
Jacob Herman, 324 Canal St., New York.
G. M. Hitchins & Co., Albany, N. Y.
Jeffras Cloak Co., 155 W. 5th St., Cincinnati, O.
Thos. J. Johnston, 360 Broadway, New York.
Meyer Jonasson & Co., 358 Broadway, New York.
Max Judd & Co., 415 8th St., St. Louis, Mo.
Herman Loeb & Co., 103 W. 3d St., Cincinnati, O.
Manhattan Cloak & Suit Co., 548 Broadway, New York.
Oppenheimer, Collins & Co., 329 Canal St., New York.
Popkin & Marks, 476 Broadway, New York.
Richman, Schmidt & Wolff, 118 Greene St., New York.
Carl L. Rose, 369 Broadway, New York.
Carl Rosenbaum & Co., 305 Canal St., New York.
H. Rosenbaum & Co., 256 Race St., Cincinnati, O.
S. F. & A. Rothschild, 440 Broadway, New York.
S. Rothschild & Bro., 307 Canal St., New York.
F. Siegel & Bros., 222 Market St., Chicago, Ill.
Springer Bros., 500 Washington St., Boston, Mass.
Stern & Schloss, 32 Howard St., New York.
J. C. Stratton & Co., 112 Greene St., New York.
J. Ullman & Co., Baltimore, Md.

A. CHILDREN'S CLOAKS.

Louis Adler, 204 Madison St., Chicago, Ill.
Joseph Beifeld & Co., 255 Jackson St., Chicago, Ill.
S. C. Cahn & Co., 95 Prince St., New York.
J. Cohn & Co., 92 Greene St., New York.
Gans Bros. & Gutwillig, 316 Church St., New York.
L. Heilprin & Co., 248 Market St., Chicago, Ill.
Max Judd & Co., 415 8th St., St. Louis, Mo.
Chas. H. Roman & Co., 447 Broadway, New York.
H. Rosenbaum & Co., 256 Race St., Cincinnati, O.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.
Philip Scheyer, 404 Broadway, New York.
Segelbaum Bros., Minneapolis, Minn.
F. Siegel & Bros., 222 Market St., Chicago, Ill.
Stern & Schloss, 32 Howard St., New York.
J. C. Stratton & Co., 112 Greene St., New York.

B. INFANTS' CLOAKS.

Best & Co., 60 W. 23d St., New York.
H. Bornemann, Newark, N. J.
Gans Bros. & Gutwillig, 316 Church St., New York.
F. Herzig & Co., 113 Prince St., New York.
Max Judd & Co., 415 8th St., St. Louis, Mo.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.
Siegel Bros., 65 Wooster St., New York.
David Stern, 146 N. Broad St., Philadelphia, Pa.
J. C. Stratton & Co., 112 Greene St., New York.
Wightman & Co., 108 Greene St., New York.

C. LADIES' CLOAKS.

Louis Adler, 205 Madison St., Chicago, Ill.
Jos. Beifield & Co., 255 Jackson St., Chicago, Ill.

Benjamin & Caspary, 465 Broome St., New York.
Blum Bros., 1319 Market St., Philadelphia, Pa.
Blumenthal Bros. & Co., 452 Broadway, New York.
H. Danzig & Co,, 472 Broadway, New York.
Louis Graner & Co., 477 Broadway, New York.
L. Heilprin & Co., 248 Market St., Chicago, Ill.
Max Judd & Co., 415 N. 8th St., St. Louis, Mo.
M. W. Lipper, & Co., 80 Franklin St., New York.
Manhattan Cloak & Suit Co., 548 Broadway, New York.
Samuel Oppenheim & Co., 80 Greene St., New York.
Oppenheim, Collins & Co., 35 W. Houston St., New York.
Popkin & Marks, 476 Broadway, New York.
Chas. H. Roman & Co., 447 Broadway, New York.
Carl Rosenbaum & Co. 305 Canal St., New York.
H. Rosenbaum & Co., 256 Race St., Cincinnati, O.
S. Rothschild & Bro., 307 Canal St., New York.
Philip Scheyer, 404 Broadway, New York.
Segelbaum Bros., Minneapolis, Minn.
F. Siegel & Bros., 222 Market St., Chicago, Ill.
J. C. Stratton & Co., 112 Greene St., New York.
Wurzburger, Goldsmith & Co., 472 Broadway, New York.

D. MISSES' CLOAKS.

Louis Adler, 205 Madison St., Chicago, Ill.
Joseph Beifeld & Co., 255 Jackson St., Chicago, Ill.
H. Danzig & Co., 472 Broadway, New York.
Gans Bros. & Gutwiilig, 316 Church St., New York.
H. Gershel & Son, 112 Prince St., New York.
L. Heilprin & Co., 248 Market St., Chicago, Ill.
Jacob Herman, 324 Canal St., New York.
H. Rosenbaum & Co., 256 Race St., Cincinnati, O.
Philip Scheyer, 404 Broadway, New York.
Segelbaum Bros., Minneapolis, Minn.
F. Siegel & Bros., 222 Market St., Chicago, Ill.
David Stern, 146 N. Broad St., Philadelphia, Pa.
Wurzburger, Goldsmith & Co., 472 Broadway, New York.

3011. CLOTHING.

David Adler & Sons Clothing Co., Milwaukee, Wis.
Babcock, Shannon & Co., Albany, N. Y.
A. Bacharach & Co., 429 Market St., Philadelphia, Pa.
Banner Bros., 567 Broadway, New York.
Edwin Bates & Co., 81 Spring St., New York.
Alfred Benjamin & Co., 15 Waverly Place, New York.
Bloomingdale, Burbank & Co., 332 Market St., Philadelphia, Pa.
L. Blumenthal & Co., New Orleans, La.
Brock, Wiener & Geismer, Buffalo, N. Y.
Browning, King & Co., 408 Broome St., New York.
Cahn, Wampold & Co., 204 Monroe St., Chicago, Ill.
Cauffman, Dinkelspiel & Co., Rochester, N. Y.
Cohn Bros. & Co., 118 W. 3d St., Cincinnati, O.
Cohn & Schleestein, 217 Greene St., New York.
M. Dean & Co., 238 Devonshire St., Boston, Mass.
Ederheimer, Stein & Co., 254 Market St., Chicago, Ill.
Geo. A. Fenno & Co., 670 Washington St., Boston, Mass.
A. & L. Gans & Co., 40 N. 3d St., Philadelphia, Pa.
Geismar Bros. & Bissinger, Chattanooga, Tenn.
Goldman, Thurnauer & Co., 154 W. 3d St., Cincinnati, O.
Jos. Goldsmith & Co., 22 N. 3d St., Philadelphia, Pa.
John W. Hallett, Nantucket, Mass.
Isaac Hart & Co., 80 W. Pearl St., Cincinnati, O.
Hexter Bros., 434 Market St., Philadelphia, Pa.
Hornthal, Whitehead, Weissmann & Co., 672 B'way, New York.
Jacoby Bros., Los Angeles, Cal.
Kahn & Schloss, Baltimore, Md.
Chas. P. Kellogg & Co., 167 Franklin St., Chicago, Ill.
Lewis Jacobs & Son, 499 Broadway, New York.
M. C. Lilley Co., Columbus, O.
Liveright, Greenewald & Son, 45 N. 3d St., Philadelphia, Pa.
L. Loeb & Sons, 97 Race St., Cincinnati, O.
Lyon & Sworoski, 41 North St., Boston, Mass.
Macullar, Parker & Co., 398 Washington St., Boston, Mass.
Masters, Detwiler & Co., 436 Market St., Philadelphia, Pa.
John G. Miller & Co., 194 5th Av., Chicago, Ill.
Nathan Bros., 519 Broadway, New York.
M. Newburger & Sons, 714 Market St., Philadelphia, Pa.
H. B. Rogers & Co., 685 Broadway, New York.
Schmitz, Dreyfoos & Shroder, 805 Washington Av., St. Louis, Mo.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
A. Shuman & Co., 9 Summer St., Boston, Mass.

G. W. Simmons & Co., 32 North St., Boston, Mass.
Silverman & Opper, 196 Monroe St., Chicago, Ill.
Snyder, Harris, Bassett & Co., 525 Market St., Philadelphia, Pa.
Star Clothing Co., Eau Claire, Wis.
Stern & Bro., 521 Market St., Philadelphia, Pa.
Strauss, Yondorf & Rose, Monroe St. & 5th Av., Chicago, Ill.
Sweet, Orr & Co., Newburgh, N. Y.
John Wanamaker, Chestnut, Market & S. 13th Sts., Phila., Pa.
Warner, Jellinek & Warner, Buffalo, N. Y.
Work Bros. & Co., cor. Market & Van Buren Sts., Chicago, Ill.

A. CHILDREN'S CLOTHING.
Browning, King & Co., 408 Broome St., New York.
Clinton Clothing Co., 686 Broadway, New York.
Cohn & Schleestein, 217 Greene St., New York.
Ederheimer, Stein & Co., 254 Market St., Chicago, Ill.
Jacob Herman, 324 Canal St., New York.
Leopold, Hess & Co., 339 Market St., Philadelphia, Pa.
L. Marcus & Son, Buffalo, N. Y.
John G. Miller & Co., 194 5th Av., Chicago, Ill.
E. Rothschild & Bro., 203 Monroe St., Chicago, Ill.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.
Schmitz, Dreyfoos & Shroder, 805 Washington Av., St. Louis, Mo.
Silverman & Opper, 196 Monroe St., Chicago, Ill.
Isidor Stark & Bro., 126 Bleecker St., New York.
Stein, Block Co., Rochester, N. Y.
Strauss, Yondorf & Rose, Monroe St. & 5th Av., Chicago, Ill.
Young & Rutherford, 441 Broadway, New York.
Work Bros. & Co., cor. Market & Van Buren Sts., Chicago, Ill.

B. GOSSAMER CLOTHING.
American Rubber Co., Cambridgeport, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.

C. JEAN CLOTHING.
Eclipse Mfg. Co., Nashville, Tenn.
Jacobs & Sachs, Pearl & Race Sts., Cincinnati, O.
Kaminer, Prinz & Co., 423 N. 7th St., St. Louis, Mo.
L. Mange, Sons & Co., 700 N. 7th St., St. Louis, Mo.
Nelson, Bray & Landrum, Louisville, Ky.
M. & D. Rosentreter, 810 N. 6th St., St. Louis, Mo.
Tapp, Leathers & Co., Louisville, Ky.
B. J. Wolf & Sons, New Orleans, La.

D. OILED CLOTHING.
John F. Carter, Beverly, Mass.
A. J. Tower, 18 Simmons St., Boston, Mass.
Americus R. Underdown, 202 Market St., Philadelphia, Pa.
Zittlosen Tent & Awning Co., 307 N. 4th St., St. Louis, Mo.

E. RUBBER CLOTHING.
American Rubber Co., 64 Summer St., Boston, Mass.
Anchor Rubber Mills, Pittsburgh, Pa.
Boston Gossamer Rubber Co., 67 Chauncey St., Boston, Mass.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Cable Rubber Co., 150 Franklin St., Boston, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Cleveland Rubber Co., Cleveland, O.
Clifton Mfg. Co., 65 Franklin St., Boston, Mass.
Conant Rubber Co., Hartford, Conn.
B. F. Goodrich Co., Akron, O.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Home Rubber Co., Trenton, N. J.
Metropolitan Rubber Co., 649 Broadway, New York.
National India Rubber Co., Providence, R. I.
Northwestern Rubber Co., 141 Lake St., Chicago, Ill.
Para Rubber Shoe Co., 24 High St., Boston, Mass.
Standard Rubber Co., 160 Congress St., Boston, Mass.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.
W. S. Taylor & Bloodgood, Jr., Cranford, N. J.

F. SPORTSMEN'S RUBBER CLOTHING.
Chicago Rubber Clothing Co., Racine, Wis.
Conant Rubber Co., Hartford, Conn.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

G. VULCANIZED RUBBER CLOTHING.
American Rubber Co., Cambridgeport, Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.

3012. COATS.

A. COTTON COATS.	Fowle, Cobb & Pearson, 65 Bedford St., Boston, Mass.
	V. Henry Rothschild & Co., 43 Leonard St., New York.
	Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
	Sweet, Orr & Co., Newburg, N. Y.
B. DUCK COATS.	Hoosier Mfg. Co., Ft. Wayne, Ind.
	Sweet, Orr & Co., Newburg, N. Y.
C. FIREMEN'S COATS.	Goodyear Rubber Co., 487 Broadway, New York.
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
	Hodgman Rubber Co., 459 Broadway, New York.
D. FUR COATS.	Asch & Jaeckel, 11 W. Houston St., New York.
	F. Booss & Bro., 449 Broadway, New York.
	J. Brzezinski, Minneapolis, Minn.
	B. Davis, 39 Bond St., New York.
	Dyer, Rice & Co., Boston, Mass.
	Gordon & Furguson, St. Paul, Minn.
	C. G. Gunther's Sons, 184 5th Av., New York.
	A. Herzig Sons & Co., 109 Prince St., New York.
	L. Loewus & Co., 94 Greene St., New York.
	McKibbin & Co., St. Paul, Minn.
	Moore, Smith & Co., Boston, Mass.
	Patterson & Dickinson, Minneapolis, Minn.
	Plymouth Clothing House, Minneapolis, Minn.
	Spaulding & Co., Boston, Mass.
	Straw & Ellsworth Mfg. Co., Milwaukee, Wis.
	P. H. Weinberg & Co., New York.
E. LEATHER COATS.	H. S. Johnson & Co., Lynn, Mass.
F. OILED COATS.	John H. Carter, Beverly, Mass.
	H. M. Sawyer & Son, E. Cambridge, Mass.
	A. J. Tower, 18 Simmons St., Boston, Mass.
	Zittlosen Tent & Awning Co., 307 N. 4th St., St. Louis, Mo.
G. RUBBER COATS.	American Rubber Co., Cambridgeport, Mass.
	Anchor Rubber Mills, Pittsburgh, Pa.
	Cable Rubber Co., 150 Franklin St., Boston, Mass.
	C. M. Clapp & Co., 7 Otis St., Boston, Mass.
	Goodyear Rubber Co., 487 Broadway, New York.
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
	Hodgman Rubber Co., 459 Broadway, New York.

3013. COLLARS & CUFFS.

A. CELLULOID COLLARS & CUFFS.	Celluloid Co., Newark, N. J.	*252
B LACE COLLARS & CUFFS.	Corliss Bros. & Co., 643 Broadway, New York.	
	S. L. Munson, Albany, N. Y.	
	United Shirt & Collar Co., Troy, N. Y.	
C. LADIES' COLLARS & CUFFS.	Corliss Bros. & Co., Troy, N. Y.	
	Mack & Co., Albany, N. Y.	
	S. L. Munson, Albany, N. Y.	
	G. Sidenberg & Co., 49 Mercer St., New York.	
	Tim & Co., Troy, N. Y.	
	United Shirt & Collar Co., Troy, N. Y.	
	Wilbur, Miller & Wilbur, Troy, N. Y.	
D. LINEN COLLARS & CUFFS.	Wm. Barker, Troy, N. Y.	
	Jos. Bowman & Sons, Troy, N. Y.	
	Cluett, Coon & Co., Troy, N. Y.	
	Corliss Bros. & Co., Troy, N. Y.	
	H. C. Curtis & Co., Troy, N. Y.	
	Earl & Wilson, 33 E. 17th St., New York.	
	Fellows & Co., Troy, N. Y.	
	Holmes & Ide, Troy, N. Y.	
	Geo. P. Ide & Co., Troy, N. Y.	
	Keep Mfg. Co., 809 Broadway, New York.	
	Mack & Co., Albany, N. Y.	
	Miller, Hall & Hartwell, Troy, N. Y	
	S. L. Munson, Albany, N. Y.	
	Rosenthal Bros., 46 Greene St., New York.	
	A. S. Rugge, Glens Falls, N. Y.	
	Tim & Co., Troy, N. Y.	
	United Shirt & Collar Co., Troy, N. Y.	
	Weil, Haskell & Co., 483 Broadway, New York.	
	Wilbur, Miller & Wilbur, Troy, N. Y.	
	Wood & Lewis, Troy, N. Y.	
E. PAPER COLLARS & CUFFS.	John Carr, Providence, R. I.	
	Reversible Collar Co., 27 Kilby St., Boston, Mass.	
	Standard Collar Co., 52 Howard St., New York.	
	United Mfg. Co., 5 Mercer St., New York.	
	Ward Mfg. Co., 52 Howard St., New York.	

3014. CORSETS.

American Corset Works, New Haven, Conn.
Bay State Corset Co., Springfield, Mass.
Joseph Beckel & Co., 394 Broadway, New York.
Jas. Bowers & Co., Newark, N. J.
Bridgeport Corset Co., Bridgeport, Conn.
Chicago Corset Co., 247 Monroe St., Chicago, Ill.
M. Cohn & Co., 375 Broadway, New York.
Coronet Corset Co., Jackson, Mich.
Derby Corset Co., Birmingham, Conn.
Ferris Bros., Newark, N. J.
Foy, Harman & Chadwick, New Haven, Conn.
Heilner & Strauss, Newark, N. J.
Jackson Corset Co., Jackson, Mich.
T. W. Jackson & Co., Newark, N. J.
Langdon, Batcheller & Co., Bridgeport, Conn.
Mayer, Strouse & Co., New Haven, Conn.
Newman & Sons, New Haven, Conn.
Roth & Goldschmidt, 48 Walker St., New York.
Lewis Schille & Co., New Haven, Conn.
Schilling Corset Co., Detroit, Mich.
Warner Bros., Bridgeport, Conn.
Williamson Corset & Brace Co., 18 S. 6th St., St. Louis, Mo.
Worcester Corset Co., Worcester, Mass.

A. ABDOMINAL CORSETS.

American Corset Works, New Haven, Conn.
Chicago Corset Co., 247 Monroe St., Chicago, Ill.
Ferris Bros., 341 Broadway, New York.
Langdon, Batcheller & Co., 345 Broadway, New York.
Mayer, Strouse & Co., New Haven, Conn.
Schilling Corset Co., Detroit, Mich.
Warner Bros., Bridgeport, Conn.

B. ELECTRIC CORSETS.

Geo. A. Scott, 842 Broadway, New York.

C. NURSING CORSETS.

American Corset Works, New Haven, Conn.
Chicago Corset Co., 247 Monroe St., Chicago, Ill.
Ferris Bros., 341 Broadway, New York.
Langdon, Batcheller & Co., 345 Broadway, New York.
Mayer, Strouse & Co., New Haven. Conn.
Schilling Corset Co., Detroit, Mich.
Warner Bros., Bridgeport, Conn.

3015. COSTUMES.

Jos. Alabau, New Orleans, La.
Wm. Beck & Son, 280 Vine St., Cincinnati, O.
Curtis & Weld, 10 Hayward Place, Boston, Mass.
Amedee Mazzur, 13 Clinton Place, New York.
A. Schoenhut & Co., 2215 Adams St., Philadelphia, Pa.

3016. COTTON TROUSERS.

Alfred Benjamin & Co., 15 Waverly Place, New York.
Fowle, Cobb & Pearson, 65 Bedford St , Boston, Mass.
Hoosier Mfg. Co., Ft. Wayne, Ind.
V. Henry Rothschild & Co., 43 Leonard St., New York.

A. DUCK TROUSERS.

Alfred Benjamin & Co., 15 Waverly Place, New York.

B. KERSEY TROUSERS.

Hoosier Mfg. Co., Fort Wayne, Ind.

C. SATINET TROUSERS.

Hoosier Mfg. Co., Fort Wayne. Ind.

3017. CUFF HOLDERS.

Decatur Cuff Holder Co., Decatur, Ill.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
E. C. Ivins, 528 N. 10th St., Philadelphia, Pa.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
Nicol & Co., 23 River St., Chicago, Ill.

3018. DRESSES.

B. Altman & Co., 301 Sixth Av., New York.
Forbes & Wallace, Springfield, Mass.
Jordan, Marsh & Co., 450 Washington St., Boston, Mass.
R. H. Macy & Co., 200 6th Av., New York.
John Shillito Co., Race & 7th Sts., Cincinnati, O.
Stern Bros., 34 W. 23d St., New York.
J. C. Stratton & Co., 112 Greene St., New York.
John Wanamaker, Chestnut & S. 13th Sts., Philadelphia, Pa.
R. H. White & Co., 518 Washington St., Boston, Mass.
Wightman & Co., 108 Greene St., New York.

A. INFANTS' DRESSES.

H. Barnemann, 78 Shipman St., Newark, N. J.
Best & Co,, 60 W. 23d St., New York.
Gans Bros. & Gutwillig, 316 Church St., New York.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.
Siegel Bros., 65 Wooster St., New York.
John Shillito & Co., Race & 7th Sts., Cincinnati, O.
J. C. Stratton & Co., 112 Greene St., New York.
Wightman & Co., 188 Greene St., New York.

3019. DRESS PADS.

Ferris Bros., 341 Broadway, New York.
Warner Bros., Bridgeport, Conn.

3020. DRESS REFORM GARMENTS.

Jenness-Miller Publishing Co., 363 Fifth Av., New York.

3021. EMBROIDERED FLANNELS.

Gans Bros. & Gutwillig, 316 Church St., New York.

3022. DRESS SHIELDS.

A. H. Brinkman & Co., Baltimore, Md.
Canfield Rubber Co., Bridgeport, Conn.
A. Cohn & Co., 117 Prince St., New York.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Frank & Gutmann, 156 W. Broadway, New York.
B. F. Goodrich Co., Akron, O.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
I. B. Kleinert, College Point, N. Y.
S. Rauh, 113 Spring St., New York.
Thos. P. Taylor, Bridgeport, Conn.
Warner Bros., Bridgeport, Conn.

A. BREAST SHIELDS.

Davol Rubber Co., Providence, R. I.

3023. DRESS STAYS.

Benjamin Bros., Newark, N. J.
James Bowers & Co., Newark, N. J.
Warren Featherbone Co., Three Oaks, Mich.

3024. DRESS WAISTS.

Geo. Frost & Co., 31 Bedford St., Boston, Mass.
G. M. Hitchins & Co., Albany, N. Y.

3025. DRESSING GOWNS.

Alfred Benjamin & Co., 15 Waverly Place, New York.
Brokaw Mfg. Co., Newburg, N. Y.
Rogers, Peet & Co., 569 Broadway, New York.

3026. EQUIPMENTS.

A. BAND EQUIPMENTS.

Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Pettibone Mfg. Co., 268 Main St., Cincinnati, O.
Geo. W. Simmons & Co., 32 North St., Boston, Mass.

B. FIRE DEPARTMENT EQUIPMENTS.

Anderson & Jones, 125 Grand St., New York.
Daly & Co., 103 Portland St., Boston, Mass.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

C. MILITARY EQUIPMENTS.

Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Pettibone Mfg. Co., 268 Main St., Cincinnati, O.
Geo. W. Simmons & Co., 32 North St., Boston, Mass.

D. MILITARY LEATHER GOODS.

Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Edward Simon & Bros., Newark, N. J.

E. POLICE EQUIPMENTS.

Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Geo. W. Simmons & Co., 32 North St., Boston, Mass.

F. R. R. UNIFORM EQUIPMENTS.

Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

3027. FISHING STOCKINGS.

Goodyear Rubber Co., 487 Broadway. New York.
Hodgman Rubber Co., 459 Broadway, New York.

3028. FUR GOODS.

Albrecht Bros., St. Paul, Minn.
Asch & Jaeckel, 11 W. Houston St., New York.
F. Booss & Bro., 26 Mercer St., New York.
H. Broughton & Co., Troy, N. Y.
A. E. Burkhardt & Co., 4th & Elm Sts., Cincinnati, O.
Louis Cohen & Bro., 153 Mercer St., New York.
Cotrell & Leonard, Albany, N. Y.
C. & F. Georger, Buffalo, N. Y.
Gordon & Ferguson, St. Paul, Minn.
C. G. Gunther's Sons, 184 5th Av., New York.
Harris & Russak, 14 Washington Place, New York.
Lachman & Sternfels, San Francisco, Cal.
M. W. Lipper & Co., 317 Garden St.. Philadelphia, Pa.
L. Loewus & Co., 4 Great Jones St., New York.
Lyon Bros., 100 Prince St., New York.
Maerlender & Co., 589 Broadway, New York.
Newman Bros, 416 E. 86th St., New York.
R. Prince & Son, 165 Mercer St., New York.
S. Reineman, 160 Mercer St., New York.
John Ruszits, 77 Mercer St., New York.
C. C. Shayne, 103 Prince St., New York.
M. J. Steinberg, 307 N. Broadway, St. Louis, Mo.
Treadwell & Co., Albany, N. Y.
A. H. Ward & Co., 69 Mercer St., New York.

3029. GLOVES.

A. BUCKSKIN GLOVES.

J. C. Allen, Gloversville, N. Y.
M. Beeber & Co., 475 Broadway, New York.
Jas. H. Burr, Gloversville, N. Y.
Daniel Hays, Gloversville, N. Y.
H. M. Heineman, San Francisco, Cal.
H. M. Leonard, Gloversville, N. Y.

Littauer Bros., Gloversville, N. Y.
B. N. Lobdell, Northville, N. Y.
Mason, Campbell & Co., Johnstown, N. Y.
J. P. Miller & Co., Johnstown, N. Y.
Pacific Glove Works, San Francisco, Cal.

B. CASTOR GLOVES.
M. Beeber & Co., 475 Broadway, New York.
Daniel Hays & Co., Gloversville, N. Y.
Littauer Bros., Gloversville, N. Y.
Louis Meyer & Son, Gloversville, N. Y.
Northrup Glove Mfg. Co., Johnstown, N. Y.
Pacific Glove Works, San Francisco, Cal.

C. DOESKIN GLOVES.
M. Beeber & Co., 475 Broadway, New York.
Daniel Hays & Co., Gloversville, N. Y.
Littauer Bros., Gloversville, N. Y.
Mason, Campbell & Co., Johnstown, N. Y.
Louis Meyer & Son, Gloversville, N. Y.
Northrup Glove Mfg. Co., Johnstown, N. Y.

D. FUR GLOVES.
F. Booss & Bro., 26 Mercer St., New York.
J. Bladwell's Sons, Brooklyn, N. Y.
C. G. Gunther's Sons, 184 5th Av., New York.
Hansen's Empire Fur Factory, Milwaukee, Wis.
H. Kuczynski, 10 Bond St., New York.
Pacific Glove Works, San Francisco, Cal.
Simmons & Mischo, 20 Bond St., New York.
Treadwell & Co., Albany, N. Y.

E. GAUNTLETS.
R. J. & R. Evans, Johnstown, N. Y.
John C. Hutchinson, Johnstown, N. Y.
Littauer Bros., Gloversville, N. Y.
Mason, Campbell & Co., Johnstown, N. Y.
Louis Meyer & Son, Gloversville, N. Y.

F. KID GLOVES.
J. C. Allen, Gloversville, N. Y.
M. Beeber & Co., 475 Broadway, New York.
Fisk, Clark & Flagg, 5 Washington Place, New York.
John C. Hutchinson, Johnstown, N. Y.
Littauer Bros., Gloversville, N. Y.
Mason, Campbell & Co., Johnstown, N. Y.
Louis Meyer & Son, Gloversville, N. Y.
Northrup Glove Mfg. Co., Johnstown, N. Y.
Pacific Glove Works, San Francisco, Cal.
Perrin Freres & Co., 45 Greene St., New York.
Chas. Tannert, 432 Broome St., New York.

G. LEATHER GLOVES.
M. Beeber & Co., 475 Broadway, New York.
Kent & Brown, Abington, Mass.
Littauer Bros., Gloversville, N. Y.
B. N. Lobdell, Northville, N. Y.
Chas. McEwen, Gloversville, N. Y.
Pacific Glove Works, San Francisco, Cal.
Chas. Tannert, 432 Broome St., New York.

H. RUBBER GLOVES.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

I. SILK GLOVES.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
J. H. Loewenstein, 41 Greene St., New York.
Nonotuck Silk Co., Florence, Mass.
Starin Silk Fabric Co., Fultonville, N. Y.

3030. GYMNASIUM GOODS.
Howard Mfg. Co., Akron, O.
Peck & Snyder, 126 Nassau St., New York.
A. G. Spalding & Bros., 241 Broadway, New York.
Wright & Ditson, 580 Washington St., Boston, Mass.

3031. HANDKERCHIEFS.

A. BANDANNAS.
Herrmann, Aukam & Co., 31 Thomas St., New York.

B. CRÊPE HANDKERCHIEFS.
Cheney Bros., S. Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.
Hamil & Booth, Paterson, N. J.

C. COTTON HANDKERCHIEFS.
Herrmann, Aukam & Co., 31 Thomas St., New York.
S. M. Schwab, Jr. & Co., 71 Worth St., New York.
Social Mfg. Co., Woonsocket, R. I.

D. SILK HANDKERCHIEFS.
R. & H. Adams, Paterson, N. J.
Ashley & Bailey, Paterson, N. J.
P. & I. Bannigan, Lake View, N. J.
Cheney Bros., S. Manchester, Conn.
John D. Cutter & Co., Bethlehem, Pa.

Dexter, Lambert & Co., Paterson, N. J.
Doherty & Wadsworth, Paterson, N. J.
Phœnix Mfg. Co., Paterson, N. J.
John N. Stearns & Co., 63 Greene St., New York.

3032. HATS.

A. BATHING HATS.
S. Rauh, 113 Spring St., New York.

B. CHILDREN'S HATS.
Max Mindheim, 67 Prince St., New York.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

C. CHILDREN'S STRAW HATS.
Comey & Co., 577 Broadway, New York.
Erickson, Stewart & Thayer, 598 Broadway, New York.
H. C. Faught, Foxboro', Mass.
Gage & Reynolds, Monson, Mass.
Hirsh & Park, Medway, Mass.
Sawyer & Gilman, 602 Broadway, New York.
Smart, Patterson & Rice, Stamford, Conn.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

D. CLOTH HATS.
Samuel Corn & Co., 3 Union Square, New York.
S. Epstein & Sons, 147 Spring St., New York.
Lasky & Levy, 101 Bleecker St., New York.
S. Simonson, 197 Greene St., New York.
Sylvester, Levacher & Co., 77 Greene St., New York.

E. DERBY HATS.
E. V. Connett & Co., 21 Waverly Place, New York.
Dickerson & Brown, 50 Kosciusko St., Brooklyn, N. Y.
R. Dunlap & Co., 178 5th Av., New York.
Geo. A. Hickoks & Son, Bethel, Conn.
E. M. Knox, 212 Broadway, New York.
M. Mercy, Newark, N. J.
T. Nichols & Co., Newark, N. J.
J. B. Stetson & Co., N. 4th St. & Montgomery Av., Phila., Pa.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

F. FELT HATS.
Brennan & Carr, Orange, N. J.
Cummings, Matthews & Co., Orange Valley, N. J.
Erickson, Stewart & Thayer, 598 Broadway, New York.
E. M. Knox, 212 Broadway, New York.
McGall Bros., Orange Valley, N. J.
M. Mercy, Newark, N. J.
J. B. Stetson & Co., N. 4th St. & Montgomery Av., Phila., Pa.
C. M. Tichenor, Newark, N. J.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

G. FIRE HATS.
Anderson & Jones, 125 Grand St., New York.
Cairns & Bro., 143 Grand St., New York.
Martin Weydig & Son, New Orleans, La.

H. FUR HATS.
Adams Bros. Mfg. Co., S. Norwalk, Conn.
Ayer, Houston & Co., Portland, Me.
Baird & Levi, Bethel, Conn.
Bayley Hat Co., Newburyport, Mass.
Beltaire, Lurch & Co., Danbury, Conn.
Brigham, Hopkins & Co., Baltimore, Md.
Cole & Ambler, Bethel, Conn.
E. V. Connett & Co., 21 Waverly Place, New York.
Crofut & Knapp, S. Norwalk, Conn.
Crofut & White, Danbury, Conn.
Cummings, Matthews & Co., Orange Valley, N. J.
Dickerson & Brown, 50 Kosciusko St., Brooklyn, N. Y.
Ferry & Napier, 21 W. 4th St., New York.
E. E. Francis & Co., 209 Greene St., New York.
G. S. Guyer & Co., 132 Hampden St., Boston, Mass.
Haverhill Hat Co., Haverhill, Mass.
C. M. Heddin & Co., Newark, N. J.
Hendel Bros'. Sons & Co., Reading, Pa.
A. Jarvis, Newark, N. J.
Judd & Co., Bethel, Conn.
Judd & Dunning, Newark, N. J.
E. A. Mallory & Sons, Danbury, Conn.
Meeker Bros., Danbury, Conn.
M. Mercy, Newark, N. J.
Merrimac Hat Co., Amesbury, Mass.
C. H. Merritt, Danbury, Conn.
T. C. Millard & Co., Danbury, Conn.
Nichols & Mohl, Danbury, Conn.
T. Nichols & Co., Newark, N. J.
Raymond & Torwegge, 720 N. 4th St., St. Louis, Mo.
J. B. Stetson & Co., N. 4th St. & Montgomery Av., Phila., Pa.
W. B. Thom & Co., Haverhill, Mass.
C. M. Tichenor, Newark, N. J.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

	Tweedy Mfg. Co., Danbury, Conn.
	Volk Hat Co., S. Norwalk, Conn.
	D. Wilcox & Co., 8 Boylston Square, Boston, Mass.
	John C. Wilson & Co., S. Norwalk, Conn.
	Yates, Wharton & Co., Newark, N. J.
I. HELMETS.	Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
	E. M. Knox, 212 Broadway, New York.
	M. Mercy, Newark, N. J.
	Smart, Patterson & Rice, Stamford, Conn.
J. LADIES' HATS.	Caton Bros., Bixby & Co., Foxboro', Mass.
	Comey & Co., 577 Broadway, New York.
	R. Dunlap & Co., 178 5th Av., New York.
	Max Mindheim, 67 Prince St., New York.
	C. M. Tichenor, Newark, N. J.
K. LADIES' RIDING HATS.	R. Dunlap & Co., 178 5th Av., New York.
	E. M. Knox, 212 Broadway, New York.
L. LADIES' STRAW HATS.	H. O. Bernard Mfg. Co., Westboro', Mass.
	Caton Bros., Bixby & Co., Foxboro', Mass.
	Comey & Co., 577 Broadway, New York.
	Erickson, Stewart & Thayer, 598 Broadway, New York.
	H. C. Faught, Foxboro', Mass.
	Gage & Reynolds, Monson, Mass.
	Gotthold & Co., 561 Broadway, New York.
	Hirsh & Park, Medway, Mass.
	T. W. Hynes & Co., 574 Park Av., Brooklyn, N. Y.
	Wm. Knowlton & Sons, 564 Broadway, New York.
	G. P. Muller & Co., 530 Arch St., Philadelphia, Pa.
	Joseph Potter, 529 Arch St., Philadelphia, Pa.
	Thos. E. Potter, Indianapolis, Ind.
	Sawyer & Gelman, 602 Broadway, New York.
	Smart, Patterson & Rice, Stamford, Conn.
	T. B. Smith, 114 Wabash Av., Chicago, Ill.
	Snow, Bassett & Co., Franklin, Mass.
	Tulkington & Pratt, 263 Wabash Av., Chicago, Ill.
M. LADIES' TRAVELING HATS.	R. Dunlap & Co., 178 5th Av., New York.
N. MEN'S STRAW HATS.	Brigham, Hopkins & Co., Baltimore, Md.
	R. Dunlap & Co., 178 5th Av., New York.
	Gage & Reynolds, Monson, Mass.
	M. S. Levy & Sons, Baltimore, Md.
	B. H. Spaulding, Milford, Mass.
	Wilson, Frank & Homer, Baltimore, Md.
O. MISSES' HATS.	Max Mindheim, 67 Prince St., New York.
P. MISSES' STRAW HATS.	Caton Bros., Bixby & Co., Foxboro', Mass.
	H. C. Faught, Foxboro', Mass.
	Gage & Reynolds, Monson, Mass.
	Gotthold & Co., 561 Broadway, New York.
	Hirsh & Park, Medway, Mass.
	Wm. Knowlton & Sons, 564 Broadway, New York.
	Sawyer & Gelman, 602 Broadway, New York.
	Topping, Maynard & Hobron, 677 Broadway, New York. *97
Q. OILED HATS.	John F. Carter, Beverly, Mass.
	A. J. Tower, 18 Simmons St., Boston, Mass.
	Zittlosen Tent & Awning Co., 507 N. 4th St., St. Louis, Mo.
R. OPERA HATS.	Bent & Bush, 387 Washington St., Boston, Mass.
	R. Dunlap & Co., 178 5th Av., New York.
S. PALM LEAF HATS.	H. A. Goodman, Dana, Mass.
	H. D. Fearing & Co., Amherst, Mass.
	N. L. Johnson, Dana, Mass.
	A. J. Powers, N. Dana, Mass.
T. POCKET HATS.	E. M. Knox, 212 Broadway, New York.
	Volk Hat Co., S. Norwalk, Conn.
U. RUBBER HATS.	American Rubber Co., Cambridgeport, Mass.
	B. F. Goodrich Co., Akron, O.
	Goodyear Rubber Co., 487 Broadway, New York.
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
	Hodgman Rubber Co., 459 Broadway, New York.
	Stoughton Rubber Co., 52 Summer St., Boston, Mass.
V. SHAKOS.	Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
W. SILK HATS.	Bent & Bush, 387 Washington St., Boston, Mass.
	Brigham, Hopkins & Co., Baltimore, Md.
	Alex. R. Brower, 68 Greene St., New York.
	R. Dunlap & Co., 178 5th Av., New York.
	J. H. Fenton, 405 N. 2d St., Philadelphia, Pa.
	E. M. Knox, 212 Broadway, New York.
	W. E. Morgan, 180 Washington St., Chicago, Ill.
	E. Morris Co., Ltd., 249 Levant St., Philadelphia, Pa.

Raymond & Torwegge, 720 N. 4th St., St. Louis, Mo.
Topping, Maynard & Hobron, 677 Broadway, New York.
D. Wilcox & Co., 8 Boylston Square, Boston, Mass.

X. SOMBREROS.
Wm. Carroll Co , Matteawan, N. Y.
J. B. Stetson & Co., N. 4th St. & Montgomery Av., Phila., Pa.
C. M. Tichenor, Newark, N. J.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

Y. STRAW BONNETS.
Comey & Co., 577 Broadway, New York.
Frank F. Hodges, 11 Winter St., Boston, Mass.
Turkington & Pratt, 263 Wabash Av., Chicago, Ill.

Z. STRAW HATS.
G. W. Alexander & Co., Reading, Pa.
American Novelty Straw Works, 125 N. 7th St., Phila., Pa.
Balch, Price & Co., 376 Fulton St., Brooklyn, N. Y.
Benson & Nelson, 165 Greene St., New York.
Brigham, Hopkins & Co., Baltimore, Md.
Wm. Carroll & Co., Matteawan, N. Y.
Comey & Co., 577 Broadway, New York.
Dickerson & Co., Detroit, Mich.
Gage & Reynolds, Monson, Mass.
Wm. Knowlton & Sons. 564 Broadway, New York.
Marks Bros., 217 Greene St., New York.
Matteawan Mfg. Co., Matteawan, N. Y.
Smart, Patterson & Rice, 613 Broadway, New York.
B. H. Spaulding, Milford, Mass.
R. Q. Taylor & Co., Baltimore, Md.
Tierney & Co., 15 Myrtle Av., Brooklyn, N. Y.
Lewis Tompkins, Fishkill, N. Y.
Topping, Maynard & Hobron, 677 Broadway, New York. *97
Townsend, Grace & Co., Baltimore, Md.
Wilson, Frank & Horner, Baltimore, Md.

AA. UNIFORM HATS.
P. Goldmann, 470 Broadway, New York.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

BB. WOOL HATS.
Ayer, Houstan & Co., Portland, Me.
Bayley Hat Co., Newburyport, Mass.
Wm. Carroll & Co., Matteawan, N. Y.
Dutchess Hat Works, Fishkill Landing, N. Y.
Fichthorn, Redcay & Co., Adamstown, Pa.
Howard Flagg, Yonkers, N. Y.
John P. Gilman's Sons, Bradford, Mass.
Haverhill Hat Co., Haverhill, Mass.
Geo. Hendel, Bro. & Co., Shillington, Pa.
Henry B. Hendel & Co., Reading, Pa.
Jas. Ingalls, Methuen, Mass.
C. F. Kessler & Son, Reading, Pa.
D. F. Lotz & Co., Reading, Pa.
Matteawan Mfg. Co., Matteawan, N. Y.
Merrimack Hat Co., Amesbury, Mass.
John R. Miller & Co., Reading, Pa.
J. G. Mohn & Bros., Reading, Pa.
W. H. Reinoehl & Co., Reading, Pa.
Rundle & White, Danbury, Conn.
Sandford, Glover & Sons, Bridgeport, Conn.
J. H. Spatz & Co., Mohn's Store Pa.
J. M. Tenney, Methuen, Mass.
W. B. Thom & Co., Haverhill; Mass.
Lewis Tompkins, Fishkill, N. Y.
Topping, Maynard & Hobron, 677 Broadway, New York. *97

3033. HOODS.
S. C. Cahn & Co., 95 Prince St., New York.
T. J. Mustin Knitting Co., Ltd., 508 Cherry St., Philadelphia, Pa.

3034. HOOP SKIRTS.
Bortree Mfg. Co., Jackson, Mich.
Bradley, Voorhees & Day Mfg. Co., Ltd., 85 White St., New York.

3035. HOSIERY.

A. COTTON HOSIERY.
American Hosiery Co., New Britain, Conn.
Cooper, Wells & Co., St. Joseph, Mich.
Crescent City Yarn & Knitting Mills, Ltd., New Orleans, La.
Graham's Cotton Mills, Rockford, Ill.
Granite Hosiery Mills, Laconia, N. H.
Ipswich Mills, Ipswich, Mass.
Lawrence Mfg. Co., Lowell, Mass.
Lewis Jones, Bristol, Pa.
Lowell Hosiery Co., Lowell, Mass.
Macon Knitting Co., Macon, Ga.
Shaw Stocking Co., Lowell, Mass.
E. B. Sudbury & Co., 343 Broadway, New York.

B. LISLE THREAD HOSIERY.
American Hosiery Co., New Britain, Conn.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.

Graham's Cotton Mills, Rockford, Ill.
Granite Hosiery Mills, Laconia, N. H.
Ipswich Mills, Ipswich, Mass.
Lawrence Mfg. Co., Lowell, Mass.
Lowell Hosiery Co., Lowell, Mass.
Seaman Bros. & Co.. 244 Monroe St., Chicago, Ill.
Shaw Stocking Co., Lowell, Mass.
E. B. Sudbury & Co., 343 Broadway, New York.

C. MERINO HOSIERY.
American Hosiery Co., New Britain, Conn.
Cooper, Wells & Co., St. Joseph, Mich.
Granite Hosiery Mills, Laconia, N. H.
Lewis Jones, Bristol, Pa.
W. R. Lawfer & Co., Allentown, Pa.
Pitman Mfg. Co., Laconia, N. H.
Shaw Stocking Co., Lowell, Mass.
E. B. Sudbury & Co., 343 Broadway, New York.
Winnipissiogee Hosiery Mills, Laconia, N. H.

D. SEAMLESS HOSIERY.
Crescent City Yarn & Knitting Mills, Ltd., New Orleans, La.
I. C. Hunsicker & Co., Reading, Pa.
Nelson Knitting Co., Rockford, Ill.
Powell & Bro., N. 28th & Parish Sts., Philadelphia, Pa.
Shaw Stocking Co., Lowell, Mass.
S. B. Wilkins Co., Rockford, Ill.

E. SILK HOSIERY.
American Hosiery Co., New Britain, Conn.
Belding Bros. & Co., Belding, Mich.
Granite Hosiery Mills, Laconia, N. H.
Wm. H. Horstmann & Sons, 5th & Cherry Sts., Philadelphia, Pa.
Nonotuck Silk Co., Florence, Mass.
Richardson Silk Co., Belding, Mich.
E. B. Sudbury & Co., 343 Broadway, New York.

F. WOOLEN HOSIERY.
American Hosiery Co., New Britain, Conn.
Ashland Woolen Mills, Ashland, Ore.
William Broadhead & Sons, Jamestown, N. Y.
J. W. Busiel & Co., Laconia, N. H.
Cooper, Wells & Co., St. Joseph, Mich.
Granite Hosiery Mills, Laconia, N. H.
Ipswich Mills, Ipswich, Mass.
Lewis Jones, Bristol, Pa.
W. R. Lawfer & Co., Allentown, Pa.
Pitman Mfg. Co., Laconia, N. H.
St. Paul Knitting Works, St. Paul, Minn.
Shaw Stocking Co., Lowell, Mass.
E. B. Sudbury & Co., 343 Broadway, New York.
Tilton Hosiery Co., Tilton, N. H.
Warner Bros., 359 Broadway, New York.
Winnipissiogee Hosiery Mills, Laconia, N. H.

G. WORSTED HOSIERY.
American Hosiery Co., New Britain, Conn.
William Broadhead & Sons, Jamestown, N. Y.
Granite Hosiery Mills, Laconia, N. H.
W. R. Lawfer & Co., Allentown, Pa.
St. Paul Knitting Works, St. Paul, Minn.
Shaw Stocking Co., Lowell, Mass.
Tilton Hosiery Co., Tilton, N. H.

3036. JACKETS.

A. CARDIGAN JACKETS.
Samuel Baron & Co., 90 Franklin St., New York.
City Knitting Mill, Rockaway, N. J.
Germania Knitting Works, 275 Church St., New York.
Justus Koch & Co., 429 Moyer St., Philadelphia, Pa.
T. J. Mustin Knitting Co., Ltd., 508 Cherry St., Philadelphia, Pa.
Warner, Deforest & Co., Amsterdam, N. Y.

B. HUNTING JACKETS.
Freeman Overall Co., Binghamton, N. Y.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
Thos. C. Love & Son, 6th St., & Susquehanna Av., Phila., Pa.
Von Lengerke & Detmold, 8 Murray St., New York.

C. JERSEY JACKETS.
J. H. A. Klauder & Co., 195 Huntington St., Philadelphia, Pa.

D. NORFOLK JACKETS.
Brokaw Mfg. Co., Newburg, N. Y.
Willard Mfg. Co., St. Albans, Vt.

E. SMOKING JACKETS.
Alfred Benjamin & Co., 15 Waverly Place, New York.
Brokaw Mfg. Co., Newburg, N. Y.
H. Gershel & Son, 112 Prince St., New York.
Wightmann & Co., 108 Greene St., New York.

3037. JEAN PANTS.
Cohen Mfg. Co., 257 Franklin St., Chicago, Ill.
Hoosier Mfg. Co., Ft. Wayne, Ind.
Rankin Mfg. Co., Nashville, Tenn.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.

Sweet, Orr & Co., 115 Worth St., New York.
H. Wallack's Sons, 38 Thomas St., New York.
Warner, Jellinck & Warner, Buffalo, N. Y.
Williard Mfg. Co., St. Albans, Vt.
Wise Bros., Baltimore, Md.
B. J. Wolf & Sons, New Orleans, La.

3038. JERSEYS.
E. H. Godshalk Co., N. 23d & Hamilton Sts., Philadelphia, Pa.
J. H. A. Klauder & Co., 195 Huntington St., Philadelphia, Pa.
Knitted Fabric Co., Methuen, Mass.
A. S. Morrison & Bros., Braintree, Mass.
T. J. Mustin Knitting Co., Ltd., 508 Cherry St., Philadelphia, Pa.
Ormiston Knitting Mills, Dauphin & 8th Sts., Philadelphia, Pa.
Carl L. Rose, 369 Broadway, New York.
Leo Stern & Bro., 633 Broadway, New York.

3039. JUMPERS.
Fowle, Cobb & Pearson, 65 Bedford St., Boston, Mass.
Hoosier Mfg. Co., Fort Wayne, Ind.
Rosenblatt Bros., Cleveland, O.
Williard Mfg. Co., St. Albans, Vt.

3040. LACE EMBROIDERIES.
H. Bornemann, 78 Shipman St., Newark, N. J.
Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.

3041. LACE FLOUNCINGS.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
G. Sidenberg & Co., 49 Mercer St., New York.

3042. LACE NETS.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.

3043. LEGGINS.

A. HUNTING LEGGINS.
Chicago Rubber Clothing Co., Racine, Wis.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
Wm. H. Wiley & Son, Hartford, Conn.

B. KNIT LEGGINS.
A. Beilman & Co., 152 Market St., Chicago, Ill.
Wm. Broadhead & Sons, Jamestown, N. Y.
Buckeye Knitting Co., New Richmond, O.
Bush & Patterson, Kalamazoo, Mich.
Eagle Knitting Co., Elkhart, Ind.
Enterprise Knitting Works, Toledo, O.
J. D. Orne & Co., N. 13th & Willow Sts., Philadelphia, Pa.
St. Paul Knitting Works, St. Paul, Minn.

C. RUBBER LEGGINS.
American Rubber Co., Cambridgeport, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
C. M. Clapp & Co., 7 Otis St., Boston, Mass.
Cleveland Rubber Co., Cleveland, O.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.
Stoughton Rubber Co., 52 Summer St., Boston, Mass.

3044. MACKINTOSHES.
American Rubber Co., Cambridgeport, Mass.
Anchor Rubber Mills, Pittsburgh, Pa.
Boston Rubber Co., 9 Otis St., Boston, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Cleveland Rubber Co., Cleveland, O.
Conant Rubber Co., Hartford, Conn.
B. F. Goodrich Co., Akron, O.
Metropolitan Rubber Co., 649 Broadway, New York.
Standard Rubber Co., 160 Congress St., Boston, Mass.

3045. MITTS.
James H. Burr, Gloversville, N. Y.
Eagle Knitting Co., Elkhart, Ind.
Thos. C. Love & Son, 6th St. & Susquehanna Av., Philadelphia, Pa.
Nelson Knitting Co., Rockford, Ill.

A. LACE MITTS.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.

B. SILK MITTS.
Belding Bros. & Co., Belding, Mich.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Roth & Friedman, Toledo, O.
Starin Silk Fabric Co., Fultonville, N. Y.
E. B. Sudbury & Co., 343 Broadway, New York.

3046. MITTENS.
Amazon Hosiery Co., Michigan City, Ind.
P. P. Argersinger & Co., Johnston, N. Y.
S. Baker & Co., Buffalo, N. Y.
Bradt & Shipman, De Kalb, Ill.
City Knitting Mill, Rockaway, N. J.
Davenport Woolen Mills Co., Davenport, Iowa.
Dempster & Place, Gloversville, N. Y.
Detroit Alaska Sock Co., Detroit, Mich.

Elkhart Knitting Co., Elkhart, Ind.
Enterprise Knitting Works, Toledo, O.
R. J. & R. Evans, Johnstown, N. Y.
A. V. Fonda, Gloversville, N. Y.
Fort Plain Glove & Mitten Co., Fort Plain, N. Y.
L. C. Hall, Jr. & Co., 535 Arch St., Philadelphia, Pa.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Kalamazoo Knitting Co., Milwaukee, Wis.
Kent & Brown, Abington, Mass.
Jas. McSwiney, Gloversville, N. Y.
J. P. Miller & Co., Johnstown, N. Y.
T. J. Mustin Knitting Co., Ltd., 508 Cherry St., Philadelphia, Pa.
National Knitting Works, Milwaukee, Wis.
Portage Hosiery Co., Portage, Wis.
Henry W. Price, Rockford, Ill.
Rockford Mitten & Hosiery Co., Rockford, Ill.
St. Paul Knitting Works, St. Paul, Minn.
Toledo Knitting Co., Toledo, O.
N. Vrooman, Johnstown, N. Y.

A. BUCKSKIN MITTENS.
Daniel Hays & Co., Gloversville, N. Y.
H. M. Heineman, San Francisco, Cal.
J. P. Miller & Co., Johnstown, N. Y.
B. E. Northrup & Co., Broadalbin, N. Y.

B. RUBBER MITTENS.
Davidson Rubber Co., 19 Milk St., Boston, Mass.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
Parker, Stearns & Sutton, 229 South St., New York.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

3047. MUFFS.

A. EAR MUFFS.
I. B. Kleinert, College Point, N. Y.

B. FUR MUFFS.
H. Broughton & Co., Troy, N. Y.
Louis Cohen & Bro., 153 Mercer St., New York.
Harris & Russak, 14 Washington Place, New York.
Lowerre & Co., 511 Broadway, New York.
S. Reineman, 160 Mercer St., New York.

C. PLUSH MUFFS.
Frankenthal Bros., 77 Wooster St., New York.
S. Reineman, 160 Mercer St., New York.
Siegel Bros., 65 Wooster St., New York.

3048. MUFFLERS.
Cheney Bros., S. Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.

3049. NECKWEAR.
Albright & Steindler, 515 Broadway, New York.
Herman Bendix & Co., 811 Broadway, New York.
Leopold Burger, 83 Spring St., New York.
Carter & Holmes, 234 Fifth Av., New York.
Cleveland, Brown & Co., 11 Otis St., Boston, Mass.
H. C. Cohn & Co., Rochester, N. Y.
Cutter & Crossette, 237 Franklin St., Chicago, Ill.
Fleisch & Co., 516 Broadway, New York.
French & Co., 35 Howard St., New York.
C. C. Hancock & Co., 341 Market St., Philadelphia, Pa.
Hellenberg & Loewenstein, 507 Broadway, New York.
Howell, Stein & Co., 1113 Market St., Philadelphia, Pa.
J. A. Humphreys Son & Co., 76 Franklin St., New York.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Keep Mfg. Co., 809 Broadway, New York.
Keys & Lockwood, 869 Broadway, New York.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.
Jos. Loth & Co., 65 Greene St., New York.
J. S. Lowrey & Co., 85 Mercer St., New York.
Charles W. Lyford, 614 Broadway, New York.
Jas. McCunach & Bro., 569 Broadway, New York.
Ornstein & Rice, 99 W. 3d St., Cincinnati, O.
Plonsky & Simon, 512 Broadway, New York.
H. Richter's Sons, 502 Broadway, New York.
Schaul & Borck, 537 Broadway, New York.
J. E. G. Scott & Co., 254 Monroe St., Chicago, Ill.
L. Simon & Co., 749 Broadway, New York.
Stanton Bros., 458 Broadway, New York.
Fred. M. Walton & Co., 619 Sansom St., Philadelphia, Pa.
Weld, Colburn & Wilckens, 593 Broadway, New York.
Wilson Bros., 248 Jackson St., Chicago, Ill.

3050. NIGHT GOWNS.
Brokaw Mfg. Co., Newburg, N. Y.
Dr. Jaeger's Sanitary Woolen System Co., 827 B'way, New York.
Keep Mfg. Co., 809 Broadway, New York.
Wm. H. Richardson Co., 385 Washington St., Boston, Mass.

B. Steinberg & Co., 26 Howard St., New York.
Steiner & Son, 515 Broadway, New York.
United Shirt & Collar Co., Troy, N. Y.
Wilson Bros., 248 Jackson St., Chicago, Ill.

3051. OVERALLS.
Bennett Mfg. Co., Binghamton, N. Y.
Beyer Bros., Buffalo, N. Y.
Cohn & Co., Buffalo, N. Y.
Cohen Mfg. Co., 257 Franklin St.. Chicago, Ill.
R. M. Connable & Co., Dayton, O.
Dutchess Mfg. Co., Poughkeepsie, N. Y.
Enterprise Mfg. Co., Cleveland, O.
Excelsior Mfg. Co., Buffalo, N. Y.
Fowle, Cobb & Pearson, 65 Bedford St., Boston, Mass.
Freeman Overall Co., Binghamton, N. Y.
Hoosier Mfg. Co., Fort Wayne, Ind.
Kalamazoo Overall Co., Kalamazoo, Mich.
Koblenzer & Dazian, 78 Franklin St., New York.
Henry Korn, 479 Broadway, New York.
Michigan Overall Mfg. Co., Ionia, Mich.
Rosenblatt Bros., Cleveland, O.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
Standard Mfg. Co., Buffalo, N. Y.
Sweet, Orr & Co., Newburg, N. Y.
Wabash Mfg. Co., Terre Haute, Ind.
Whitehill & Cleveland, Newburg, N. Y.
Williard Mfg. Co., St. Albans, Vt.
Wise Bros , Baltimore, Md.
B. J. Wolf & Sons, New Orleans, La.

A. RUBBER OVERALLS.
American Rubber Co., Cambridgeport, Mass.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

3052. PAJAMAS.
Alfred Benjamin & Co., 15 Waverly Place, New York.
Brokaw Mfg. Co., Newburg, N. Y.
Keep Mfg. Co., 809 Broadway, New York.
Wm. H. Richardson & Co., 385 Washington St., Boston, Mass.
Steiner & Son, 515 Broadway, New York.

3053. PLUSH GARMENTS.
A. E. Burkhardt & Co., 4th & Elm Sts., Cincinnati, O.
Eagle Cloak & Suit Co., 442 Broadway, New York.
Harris & Russak, 14 Washington Place, New York.
G. Schwab & Bros., 41 Greene St., New York.

3054. PONCHOS.
Conant Rubber Co., Hartford, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Hodgman Rubber Co., 459 Broadway, New York.

3055. REGALIAS.
Benziger Bros., 36 Barclay St., New York.
G. F. Foster, Son & Co., 172 Madison St., Chicago, Ill.
G. W. Hill & Co., Indianapolis, Ind.
P. S. Hoffman, Richmond, Ind.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
M. C. Lilley & Co., Columbus, O.
Parson & Co., 1113 Olive St., St. Louis, Mo.
B. Pasquale, San Francisco, Cal.
Sisco Bros., Baltimore, Md.

3056. RIDING HABITS.
John F. Delury, 214 6th Av., New York.
Jacques Krakauer, 19 E. 21st St., New York.
John Redfern & Sons, 210 5th Av., New York.

3057. RUCHINGS.
A. Cohen & Co., 117 Prince St., New York.
Kursheedt Mfg. Co., 192 S. 5th Av., New York.

3058. RUFFLINGS.
A. Cohen & Co., 117 Prince St., New York.
E. & W. S. Finlay, 105 Prince St., New York.
Kisch Mfg. Co., 22 Lispenard St., New York.
Levi & Mayer, 49 Greene St., New York.
Rosenthal Bros., 46 Greene St., New York.
Samuel Salomon & Co., Baltimore, Md.
G. Sidenberg & Co., 49 Mercer St., New York.
Silberberg Bros., 61 Wooster St., New York.

3059. SCARFS.
A. Beilman & Co., 152 Market St., Chicago, Ill.
Bush & Patterson, Kalamazoo, Mich.
City Knitting Mill, Rockaway, N. J.
Eagle Knitting Co., Elkhart, Ind.
Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.
Keep Mfg. Co., 809 Broadway, New York.
G. Sidenberg & Co., 49 Mercer St., New York.

A. SILK SCARFS.
John D. Cutter & Co., Bethlehem, Pa.
Heidelberger, Frank & Co., 816 Cherry St., Philadelphia, Pa.

Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
Stanton Bros., 458 Broadway, New York.

3060. SHAWLS.

Ashland Woolen Mills, Ashland, Ore.
Blake & Co., Racine, Wis.
Samuel Byron, 130 Altmeier St., Philadelphia, Pa.
Curtis Mfg. Co., Worcester, Mass.
Samuel Greenwood & Son, Coatesville, Pa.
Hay & Todd Mfg. Co., Ypsilanti, Mich.
Levison Bros. & Co., 286 Church St., New York.
Merrimack Woolen Mills, Dracut, Mass.
Middlesex Co., Lowell, Mass.
T. J. Mustin Knitting Co., Ltd., 508 Cherry St., Phila., Pa.
Oregon City Mfg. Co., Oregon City, Ore.
Phœnix Mfg. Co., Paterson, N. J.
Wm. Rhodes, Hancock & Somerset Sts., Philadelphia, Pa.
Rockford Woolen Mills Co., Rockford, Ill.
Jas. Roy & Co., Schenectady, N. Y.
San Francisco Pioneer Woolen Factory, San Francisco, Cal.
Wm. Sullivan & Co., Oxford & Palethorp Sts., Philadelphia, Pa.
Waterloo Woolen Mfg. Co., Waterloo, N. Y.
Thos. H. Wilson, 1420 Howard St., Philadelphia, Pa.

A. EMBROIDERED SHAWLS.

Gans Bros. & Gutwillig, 316 Church St., New York.

B. COTTON SHAWLS.

F. Rumpf & Bro., Huntington & Hancock Sts., Philadelphia, Pa.

C. SILK SHAWLS.

Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.

3061. SHIRTS.

A. COTTON SHIRTS.

Coburn & Whitman, 73 Summer St., Boston, Mass.
Chas. Folkenberg & Bro., 388 Broadway, New York.
Fowle, Cobb & Pearson, 65 Bedford St., Boston, Mass.
I. D. Goodman & Son, 89 E. Broadway, New York.
Keep Mfg. Co., 809 Broadway, New York.
Koblenzer & Dazian, 78 Franklin St., New York.
Henry Korn, 479 Broadway, New York.
Levi, Wechsler & Co., 716 Broadway, New York.
Pond, West & Simonds, Portchester, N. Y.
Roggen & Eisenstein, 43 E. Broadway, New York.
Isaac Rosenstein & Co., 23 White St., New York.
V. H. Rothschild & Co., 43 Leonard St., New York.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
H. Wallach's Sons, 38 Thomas St., New York.
Wheeler & Shiner, Newark, N. J.
Williard Mfg. Co., St. Albans, Vt.
B. J. Wolf & Sons, New Orleans, La.

B. EMBROIDERED SHIRTS.

Cluett, Coon & Co., Troy, N. Y.
Crescent Shirt Co., 160 Market St., Chicago, Ill.
Chas. Falkenberg & Bro., 388 Broadway, New York.
Geo. P. Ide & Co., Troy, N. Y.
Henry Korn, 479 Broadway, New York.
Levi, Wechsler & Co., 716 Broadway, New York.
Miller, Hall & Hartwell, Troy, N. Y.
Roggen & Eisenstein, 43 E. Broadway, New York.
Isaac Rosenstein & Co., 23 White St., New York.
United Shirt & Collar Co., Troy, N. Y.
Wachusett Shirt Co., Leominster, Mass.
H. Wallach's Sons, 38 Thomas St., New York.
Tim Wallerstein & Co., Troy, N. Y.
Wilbur, Miller & Wilbur, Troy, N. Y.

C. FIRE SHIRTS.

Cairns & Bro., 143 Grand St., New York.
Coburn & Whitman, 73 Summer St., Boston, Mass.
Chas. Falkenberg & Bro., 388 Broadway, New York.
Henry Korn, 479 Broadway, New York.
Martin Weydig & Son, New Orleans, La.

D. FLANNEL SHIRTS.

Alfred Benjamin & Co., 15 Waverly Place, New York.
Brokaw Mfg. Co., Newburgh, N. Y.
Coburn & Whitman, 73 Summer St., Boston, Mass.
Cohen Mfg. Co., 257 Franklin St., Chicago, Ill.
Chas. Folkenberg & Bro., 388 Broadway, New York.
Fowle, Cobb & Pearson, 65 Bedford St., Boston, Mass.
I. Frank & Co., 49 White St., New York.
I. D. Goodman & Son, 89 E. Broadway, New York.
Herrman & Schneer, 596 Broadway, New York.
Hutchinson, Pierce & Co., 838 Broadway, New York.
Keep Mfg. Co., 809 Broadway, New York.
Koblenzer & Dazian, 78 Franklin St., New York.
Henry Korn, 479 Broadway, New York.
Levi, Wechsler & Co., 716 Broadway, New York.
Jacob Miller's Sons & Co., 926 Market St., Philadelphia, Pa.

Roggen & Eisenstein, 43 E. Broadway, New York.
Isaac Rosenstein & Co., 23 White St., New York.
V. Henry Rothschild & Co., 43 Leonard St., New York.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
Steppacher & Stern, Baltimore, Md.
Samuel Sternberger & Co., 232 Market St., Philadeiphia, Pa.
Leo Stern & Bro., 633 Broadway, New York.
H. Wallach's Sons, 38 Thomas St., New York.
Weil, Haskell & Co., 483 Broadway, New York.
Williams & Powers, Cohoes, N. Y.
B. J. Wolf & Sons, New Orleans, La.

E. JEAN SHIRTS.
I. D. Goodman & Son, 89 E. Broadway, New York.
Roggen & Eisenstein, 43 E. Broadway, New York.
Isaac Rosenstein & Co., 23 White St., New York.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
Willard Mfg. Co., St. Albans, Vt.
B. J. Wolf & Sons, New Orleans, La.

F. KNIT SHIRTS.
Clarke & Holsapple Mfg. Co., Cohoes, N. Y.

G. LINEN SHIRTS.
Burt Shirt Mfg. Co., Poughkeepsie, N. Y.
Cluett, Coon & Co., Troy, N. Y.
Crescent Shirt Co., 160 Market St., Chicago, Ill.
H. C. Curtis & Co., Troy, N. Y.
Chas Falkenberg & Bro., 388 Broadway, New York.
I. Frank & Co., 49 White St., New York.
Holmes & Ide, Troy, N. Y.
Hutchinson, Pierce & Co., 838 Broadway, New York.
Geo. P. Ide & Co., Troy, N. Y.
Keep Mfg. Co., 809 Broadway, New York.
Henry Korn, 479 Broadway, New York.
Levi, Wechsler & Co., 716 Broadway, New York.
Mack & Co., Albany, N. Y.
E. Miller & Co., 113 Greene St., New York.
Miller, Hall & Hartwell, Troy, N. Y.
S. L. Munson, Albany, N. Y.
J. H. Osterhour, Troy, N. Y.
Julius Parker & Son, New Britain, Conn.
Pond, West & Simonds, Portchester, N. Y.
Roggen & Eisenstein, 43 E. Broadway, New York.
A. S. Rugge, Glens Falls, N. Y.
Chester L. Smith Mfg. Co., Norristown, Pa.
Samuel Sternberger & Co., 232 Market St., Philadelphia, Pa.
Tim Wallerstein & Co., Troy, N. Y.
United Shirt & Collar Co., Troy, N. Y.
Wachusett Shirt Co., Leominster, Mass.
H. Wallach's Sons, 38 Thomas St., New York.
Weil, Haskell & Co., 483 Broadway, New York.
Wheeler & Shiner, Newark, N. J.
Wilbur, Miller & Wilbur, Troy, N. Y.
Wilson Bros., South Bend, Ind.

H. SHIRT FRONTS.
Alfred Benjamin & Co., 15 Waverly Place, New York.
Coburn & Whitman, 73 Summer St., Boston, Mass.
J. D. Goodman & Son, 89 E. Broadway, New York.
Henry Korn, 479 Broadway, New York.
Levi, Wechsler & Co., 716 Broadway, New York.
Manhattan Shirt Mills, Paterson, N. J.
Nonotuck Silk Co., Florence, Mass.
Roggen & Eisenstein, 43 E. Broadway, New York.
V. Henry Rothschild & Co., 43 Leonard St., New York.
Seaman Bros. & Co., 244 Monroe St., Chicago, Ill.
E. D. Smith & Bro., 16 Thomas St., New York.
H. Wallach's Sons, 38 Thomas St , New York.
Weil, Haskell & Co., 483 Broadway, New York.

I. SILK SHIRTS.
Brokaw Mfg. Co., Newburgh, N. Y.
Hutchinson, Pierce & Co., 838 Broadway, New York.

3062. SHOOTING CLOTHING.
A. G. Spalding & Bros., 241 Broadway, New York.
Von Lengerke & Detmold, 8 Murray St., New York.

3063. SLICKERS.
H. M. Sawyer & Co., E. Cambridge, Mass.
A. J. Tower, 18 Simmons St., Boston, Mass.

3064. SUSPENDERS & SUPPORTERS.
A. ELASTIC SUPPORTERS.
Lewis Stein, 378 Canal St., New York.

B. GARTERS.
Armstrong Mfg. Co., Bridgeport, Conn *154
Canfield Rubber Co , Bridgeport, Conn.
Dibble & Warner, Easthampton, Mass.
Eagle Suspender Co., 13 N. 3d St., Philadelphia, Pa.

Geo. Frost & Co., 31 Bedford St., Boston, Mass.
Hopedale Elastic Goods Co., Hopedale, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.

C. HOSE SUPPORTERS.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Boston Supporter Co., 25 Winter St., Boston, Mass.
Canfield Rubber Co., Bridgeport, Conn.
Dibble & Warner, Easthampton, Mass.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
Northwestern Suspender Co., Des Moines, Iowa.
Werum Bros., Toledo, O.
Williard Mfg. Co., St. Albans, Vt.

D. PAGE CORDS.
Geo. S. Colton, Easthampton, Mass.

E. SHOULDER BRACES.
Dibble & Warner, Easthampton, Mass.
Ferris Bros., 341 Broadway, New York.
Wm. H. Horn & Bro., 451 N. 3d St., Philadelphia, Pa.
Nashawannuck Mfg. Co., Easthampton, Mass.
Northwestern Suspender Co., Des Moines, Iowa.
Pacific Suspender Co., San Francisco, Cal.

F. SKIRT SUPPORTERS.
Canfield Rubber Co., Bridgeport, Conn.
Cincinnati Suspender Co., 11 E. 9th St., Cincinnati, O.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

G. SKIRT SUPPORTING HOOKS.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

H. SLEEVE SUPPORTERS.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Canfield Rubber Co., Bridgeport, Conn.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
Northwestern Suspender Co., Des Moines, Iowa.
Andrew W. Sawyer, Providence, R. I.

I. STOCKING SUPPORTERS.
Canfield Rubber Co., Bridgeport, Conn.
Dibble & Warner, Easthampton, Mass.
Ferris Bros., 341 Broadway, New York.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
Pacific Suspender Co., San Francisco, Cal.
B. Salisbury Co., Battle Creek, Mich.
A. G. Spalding & Bros., 241 Broadway, New York.
Warner Bros., Bridgeport, Conn.
Williard Mfg. Co., St. Albans, Vt.

J. SUSPENDERS.
Joseph Adamson & Co., 1652 Germantown Av., Philadelphia, Pa.
Armstrong Mfg. Co., Bridgeport, Conn. *154
Bradley, Voorhees & Day Mfg. Co., Ltd., 85 White St., New York.
Cincinnati Suspender Co., 11 E. 9th St., Cincinnati, O.
Crown Suspender Co., 4 W. 4th St., New York.
Dibble & Warner, Easthampton, Mass.
B. Goodman Mfg. Co., Bridgeport, Conn.
Hopedale Elastic Goods Co., Hopedale, Mass.
Nashawannuck Mfg. Co., Easthampton, Mass.
Northwestern Suspender Co., Des Moines, Iowa.
Pacific Suspender Co., San Francisco, Cal.
Russell Mfg. Co., Middletown, Conn.
Thorndike Mfg. Co., Lowell, Mass.
Weld, Colburn & Wilckens, 593 Broadway, New York.
Williard Mfg. Co., St. Albans, Vt.
Wilson Bros., 248 Jackson St., Chicago, Ill.
Wire Buckle Suspender Co., Williamsport, Pa.
Solomon Zekind, San Francisco, Cal.

3065. TEA GOWNS.
Gans Bros. & Gutwillig, 316 Church St., New York.

3066. THEATRICAL GOODS.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

3067. UNDERSKIRTS.
Dr. Jaeger's Sanitary Woolen System Co., 827 B'way, New York.
Medlicott Co., Windsor Locks, Conn.
St. Paul Knitting Works, St. Paul, Minn.
Warner Bros., Bridgeport, Conn.

A. EMBROIDERED SKIRTS.
Gans Bros. & Gutwillig, 316 Church St., New York.

3068. UNDERWEAR.

A. BUCKSKIN UNDERWEAR.
D. C. Hall & Co., 86 Leonard St., New York.

B. CAMEL'S HAIR UNDERWEAR.
Dunham Hosiery Co., Naugatuck, Conn.
Warner Bros., Bridgeport, Conn.

C. CHAMOIS UNDERWEAR.
T. W. Heinemann Co., 34 W. Monroe St., Chicago, Ill.

D. CHILDREN'S UNDERWEAR.
Wm. H. Burns & Co., Worcester, Mass.
Frankenthal Bros., 77 Wooster St., New York.
B. Steinberg & Co., 26 Howard St., New York.
Warner Bros., Bridgeport, Conn.

E. COTTON UNDERWEAR.
Aken Knitting Co., Philmont, N. Y.
American Hosiery Co., New Britain, Conn.
Boston Mfg. Co., Waltham, Mass.
Wm. H. Burns & Co., Worcester, Mass.

Chenery Mfg. Co., Portland, Me.
Keep Mfg. Co., 809 Broadway, New York.
Lewis Jones, Bristol, Pa.
G. H. McDowell & Co., Cohoes, N. Y.
Otis Co., Three Rivers, Mass.
J. A. Scriven & Co., 18 E. 15th St., New York.

F. FANCY UNDERWEAR.
Keep Mfg. Co., 809 Broadway, New York.
Williams & Powers, Cohoes, N. Y.

G. GAUZE UNDERWEAR.
Pickering Knitting Co., Lowell, Mass.

H. INFANTS' UNDERWEAR.
H. Bornemann, 178 Shipman St., Newark, N. J.
N. J. Felicie, 361 5th Av., New York.
Frankenthal Bros., 157 S. 5th Av., New York.
B. Steinberg & Co., 26 Howard St., New York.

I. KNIT UNDERWEAR.
Adler & Co., 131 W. Pearl St., Cincinnati, O.
American Hosiery Co., New Britain, Conn.
Bennington Knitting Co., Bennington, Vt.
N. L. Birge & Son, Bristol, Conn.
Bishopton Knitting Mill, Waterford, N. Y.
Clarke & Holsapple Mfg. Co., Cohoes, N. Y.
Commercial Knitting Mill Co., Troy, N. Y.
Dunham Hosiery Co., Naugatuck, Conn.
J. J. Gilbert, Little Falls, N. Y.
Gleason Knitting & Mfg. Co., Seneca Falls, N. Y.
Greene Knitting Co., Amsterdam, N. Y.
Harder Knitting Co., Hudson, N. Y.
N. T. Kane (Estate of), Averill Park, N. Y.
Kline & Hubbs, Amsterdam, N. Y.
Lackawanna Mills, Scranton, Pa.
Lewis Knitting Co., Janesville, Wis.
McFarlan & Co., Amsterdam, N. Y.
J. C. & J. C. Miller, Baldwinsville, N. Y.
North & Doyle, Cohoes, N. Y.
Northwestern Knitting Co., Minneapolis, Minn.
J. D. Orne & Co., N. 13th & Willow Sts., Philadelphia, Pa.
Parsons Mfg. Co., Cohoes, N. Y.
Plainville Mfg. Co., Plainville, Conn.
Rockton Knitting Mills, Little Falls, N. Y.
Root Mfg. Co., Cohoes, N. Y.
St. Paul Knitting Works, St. Paul, Minn.
Wm. J. Scott & Co., Cohoes, N. Y.
Star Knitting Co., Cohoes, N. Y.
Victor Knitting Mills Co., Cohoes, N. Y.
Waterford Knitting Co., Waterford, N. Y.
Wayside Knitting Co., Troy, N. Y.
Winsted Hosiery Co., Winsted, Conn.
Wynanskill Knitting Co., Troy, N. Y.

J. LISLE THREAD UNDERWEAR.
Northwestern Knitting Co., Minneapolis, Minn.
Otis Co., Three Rivers, Mass.

K. LADIES' UNDERWEAR.
J. J. Adam & Co., 67 Greene St., New York.
S. Adam & Son, 132 S. 5th Av., New York.
J. M. Bevan & Co., 21 E. 17th St., New York.
Wm. H. Burns & Co., Worcester, Mass.
Danenbaum Bros., 72 W. 23d St., New York.
H. Danzig & Co., 472 Broadway, New York.
Frankenthal Bros., 77 Wooster St., New York.
Greenberg, Reuben & Newhaus, 428 Broome St., New York.
Isaac Hirsch & Son, 114 Greene St., New York.
Holmes & Co., 109 Kingston St., Boston, Mass.
Huntington Bros. & Co., 398 Canal St., New York.
Martin, Cook & Lipser, 73 Wooster St., New York.
Otis Co., Three Rivers, Mass.
D. E. Sicher & Co., 50 Howard St., New York.
Siegel Bros., 65 Wooster St., New York.
Star Knitting Co., Cohoes, N. Y.
B. Steinberg & Co., 26 Howard St., New York.
Victor Knitting Mills Co., Cohoes, N. Y.
Warner Brothers, Bridgeport, Conn.

L. MERINO UNDERWEAR.
Aken Knitting Co., Philmont, N. Y.
American Hosiery Co., New Britain, Conn.
Keep Mfg. Co., 809 Broadway, New York.
G. H. McDowell & Co., Cohoes, N. Y.
Ranken Knitting Co., Cohoes, N. Y.
Star Knitting Co., Cohoes, N. Y.

M. SCARLET UNDERWEAR.
H. E. Bradford & Co., Bennington, Vt.
D. M. Collins & Co., Pittsfield, Mass.
Medlicott Co., Windsor Locks, Conn.

W. M. Pawling, Hagaman's Mills, N. Y.
S. M. Richmond, Little Falls, N. Y.
Geo. Rockwood & Co., Bennington, Vt.
Star Knitting Co., Cohoes, N. Y.
Victor Knitting Mills Co., Cohoes, N. Y.

N. SILK UNDERWEAR.
American Hosiery Co., New Britain, Conn.
Belding Bros. & Co., Belding, Mich.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
Holmes & Co., 109 Kingston St., Boston, Mass.
Keep Mfg. Co., 809 Broadway, New York.
Nonotuck Silk Co., Florence, Mass.

O. WOOLEN UNDERWEAR.
American Hosiery Co., New Britain, Conn.
Dunham Hosiery Co., Naugatuck, Conn.
Keep Mfg. Co., 809 Broadway, New York.
G. H. McDowell & Co., Cohoes, N. Y.
Northwestern Knitting Co., Minneapolis, Minn.
Ranken Knitting Co., Cohoes, N. Y.
Slayden-Kirksey Woolen Mills, Waco, Tex.
Star Knitting Co., Cohoes, N. Y.
Van Brocklin & Co., Catskill, N. Y.
Victor Knitting Mills Co., Cohoes, N. Y.

3069. UNIFORMS.
Browning, King & Co., 408 Broome St., New York.
Lyon & Healy, 156 State St., Chicago, Ill.
Pettibone Mfg. Co., 268 Main St., Cincinnati, O.
G. W. Simmons & Co., 32 North St., Boston, Mass.
B. M. Whitlock, 99 4th St., New York.
Work Bros. & Co., cor. Market & Van Buren Sts., Chicago, Ill.

3070. VESTS.

A. HUNTING VESTS.
Von Lengerke & Detmold, 8 Murray St., New York.

B. LEATHER VESTS.
H. S. Johnson & Co., Lynn, Mass.

C. LIFE VESTS.
Goodyear Rubber Co., 487 Broadway, New York.

3071. WADING TROUSERS.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.

3072. WAISTS.

A. BRACE WAISTS.
Ferris Bros., 341 Broadway, New York.

B. CHILDREN'S WAISTS.
Ferris Bros., 341 Broadway, New York.
Foy, Harmon & Chadwick Co., New Haven, Conn.
Herrman & Schneer, 596 Broadway, New York.
Warner Bros., Bridgeport, Conn.

C. CORSET WAISTS.
Benjamin Bros., Newark, N. J.
Chicago Corset Co., 402 Broadway, New York.
Coronet Corset Co., Jackson, Mich.
Ferris Bros., 341 Broadway, New York.
Warner Bros., Bridgeport, Conn.

D. SHIRT WAISTS.
Brokaw Mfg. Co., Newburgh, N. Y.
Nathan Miller & Son, 325 Canal St., New York.
Wheeler & Shiner, Newark, N. J.

3073. WRAPPERS, LADIES'.
Gans Bros. & Gutwillig, 316 Canal St., New York.

XLIV. WIRE AND WIRE GOODS.

3074. ARTISTIC WIRE WORK.
Woods, Sherwood & Co., Lowell, Mass.

3075. BALE TIES.
W. J. Adam, Joliet, Ill.
Brockner-Evans Bale Tie Co., 819 N. 2d St., St. Louis, Mo.
W. C. Downey & Co., Springfield, O.
Griswold Bros., Troy, N. Y.
Kilmer Mfg. Co., Newburgh, N. Y.
Trenton Iron Co., Trenton, N. J.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

A. COTTON TIES.
Wm. Clark's Son & Co., Pittsburgh, Pa.
J. Painter & Sons Co., Pittsburgh, Pa.
Portage Iron Co., Duncansville, Pa.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

B. CROSS HEAD BALE TIES.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

3076. BARREL COVERS, WIRE.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.

Excelsior Mfg. Co., Pittsburgh, Pa.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Minneapolis Wire Works, Minneapolis, Minn.

3077. BASKETS, WIRE.

A. HANGING BASKETS.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Goodwin Bros., Elmwood, Conn.
National Mfg. Co., Worcester, Mass.
Woods, Sherwood & Co., Lowell, Mass.

B. MILK BOTTLE BASKETS.
Thatcher Mfg. Co., Potsdam, N. Y.

C. MOSS BASKETS, WIRE.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
Woods, Sherwood & Co., Lowell, Mass.

D. SPONGE BASKETS, WIRE.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
W. S. Estey, 71 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Woods, Sherwood & Co., Lowell, Mass.

3078. BOX STRAPS.
Boss Steel Box Band Co., 186 S. 5th Av., New York.
Cleveland Hardware Co., Cleveland, O.
Quincy Floor Plate & Staple Mfg. Co., Quincy, Ill.
Tate & Co., Malden, Mass.
Twisted Wire Box Strap Co., 451 Greenwich St., New York.

3079. BRAIDED FENCE WIRE.
Hollow Cable Mfg. Co., Hornellsville, N. Y. *248

3080. CAGES.

A. BIRD CAGES.
Buhl Stamping Co., Detroit, Mich.
Fletcher & Webster Furniture Co., Nashua, N. H.
Heinz & Munschauer, Buffalo, N. Y.
Andrew B. Hendryx Co., New Haven, Conn.
John C. Jewett Mfg. Co., Buffalo, N. Y.
O. Lindemann & Co., 81 Beekman St., New York.
John Maxwell, 259 Pearl St., New York.
Geo. N. Pierce & Co., Buffalo, N. Y.

B. CAGE SCREENS & GUARDS.
Andrew B. Hendryx Co., New Haven, Conn.
John Maxwell, 259 Pearl St., New York.

C. PARROT CAGES.
Andrew B. Hendryx Co., New Haven, Conn.
John C. Jewett Mfg. Co., Buffalo, N. Y.
John Maxwell, 259 Pearl St., New York.
Geo. N. Pierce & Co., Buffalo, N. Y.

D. SQUIRREL CAGES.
Andrew B. Hendryx Co., New Haven, Conn.
John C. Jewett Mfg. Co., Buffalo, N. Y.
John Maxwell, 259 Pearl St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Geo. N. Pierce & Co., Buffalo, N. Y.

E. WOOD CAGES.
Fred. J. Meyers Mfg. Co., Covington, Ky.

3081. CHAIR BRACES.
Josiah Whitman, Providence, R. I.

3082. CLOTH, WIRE.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Buchanan, Bolt & Co., Holyoke, Mass.
Cheney-Bigelow Wire Works, Springfield, Mass.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
De Witt Wire Cloth Co., 32 Reade St., New York.
Eastwood Wire Mfg. Co., Belleville, N. J.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
C. O. Jelliff & Co., Southport, Conn.
Kansas City Wire & Iron Works, Kansas City, Mo.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
New Jersey Wire Cloth Co., Trenton, N. J.
Nordyke & Marmon Co., Indianapolis, Ind. *208
Phosphor-Bronze Smelting Co., 512 Arch St., Philadelphia, Pa.
John A. Roebling's Sons Co., Trenton, N. J.
Scheeler & Sons, Buffalo, N. Y.
John Snow, Rochester, N. Y.
Staniar & Laffey, Harrison, N. J.
W. S. Tyler Wire Works Co., Cleveland, O.
Wallace & Sons, 29 Chambers St., New York.
Wickwire Bros., Cortland, N. Y.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74
York Wire Cloth Co., York, Pa.

A. BATTERY WIRE CLOTH.
Eastwood Wire Mfg. Co., Belleville, N. J.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74

B. BOLTING CLOTH.
Bradford Mill Co., Evans & 8th Sts., Cincinnati, O.

	Case Mfg. Co., Columbus, O.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Great Western Mfg. Co., Leavenworth, Kan.	
	Howard & Morse, 45 Fulton St., New York.	
	Nordyke & Marmon Co., Indianapolis, Ind.	*208
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
C. BRASS WIRE CLOTH.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Forest City Wire & Iron Co., Cleveland, O.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
D. BRATTICE CLOTH.	James M. Everhart, Scranton, Pa.	
E. COPPER WIRE CLOTH.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Forest City Wire & Iron Co., Cleveland, O.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wallace & Sons, 29 Chambers St., New York.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
	York Wire Cloth Co., York, Pa.	
F. CRIMPED WIRE CLOTH.	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
G. FANNING MILL WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A Roebling's Sons Co., Trenton, N. J.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
H. FRUIT DRYING WIRE CLOTH.	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
I. GALVANIZED WIRE CLOTH.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Forest City Wire & Iron Co., Cleveland, O.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wickwire Bros., Cortland, N. Y.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
J. IRON WIRE CLOTH.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wickwire Bros., Cortland, N. Y.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
	York Wire Cloth Co., York, Pa.	
K. LATHING WIRE CLOTH.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	Reliance Wire Works Co., Milwaukee, Wis.	
	John A Roebling's Sons Co., Trenton, N. J.	
	Trenton Iron Co., Trenton, N. J.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	
L. LOCOMOTIVE SPARK WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
M. MALT KILN WIRE CLOTH FLOORS.	Clinton Wire Cloth Co., Clinton, Mass.	

	Howard & Morse, 45 Fulton St., New York.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
N. MINING WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Howard & Morse., 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Vulcan Iron Works, Wilkes Barre, Pa.	*131
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
O, PAPER MAKERS' WIRE CLOTH.	Cheney-Bigelow Wire Works, Springfield, Mass.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Howard & Morse, 45 Fulton St., New York.	
	John A Roebling's Sons Co., Trenton, N. J.	
P. PHOSPHOR-BRONZE WIRE CLOTH.	Howard & Morse, 45 Fulton St., New York.	
	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
Q. RICE WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
R. SCREEN CLOTH, DECORATED.	Clinton Wire Cloth Co., Clinton, Mass.	
	I. E. Palmer, Middletown, Conn.	*65
S. SMUT WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
T. SPARK WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
U. STEEL WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Forest City Wire & Iron Co., Cleveland, O.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
V. STRAINER WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	De Witt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	National Mfg. Co., Worcester, Mass.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wallace & Son, 29 Chambers St., New York.	
	York Wire Cloth Co., York, Pa.	
W. SUGAR WIRE CLOTH.	Cheney Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	De Witt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Howard & Morse, 45 Fulton St., New York.	
X. TINNED WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
	York Wire Cloth Co., York, Pa.	
Y. TWILLED BRASS CLOTH.	Eastwood Wire Mfg. Co., Belleville, N. J.	
Z. WINDOW SCREEN WIRE CLOTH.	Clinton Wire Cloth Co., Clinton, Mass.	
	De Witt Wire Cloth Co., 32 Reade St., New York.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	I. E. Palmer, Middletown, Conn.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Wickwire Bros., Cortland, N. Y.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
	York Wire Cloth Co., York, Pa.	
AA. WIRE CLOTH, IMITATION.	I. E. Palmer, Middletown, Conn.	*65
3083. CLOTHING FORMS.		
A. COAT FORMS.	Kimball Mfg. Co., 129 Portland St., Boston, Mass.	
B. COMBINATION FORMS.	Kimball Mfg. Co., 129 Portland St., Boston, Mass.	
C. DRESS FORMS.	Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.	
	Ferris Bros., 341 Broadway, New York.	
	Fowler Mfg. Co., Ltd., 550 W. 23d St., New York.	
	Hall's Bazaar Form Co., 833 Broadway, New York.	
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
D. EXHIBIT FRAMES.	Andrew B. Hendryx Co., New Haven, Conn.	
	J. R. Palmenberg's Sons, 468 Broome St., New York.	
3084. CORN POPPERS.	Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.	

Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
W. H. Sweeney Mfg. Co., 240 Water St., New York.
Wickwire Bros., Cortland, N. Y.

3085. CORDAGE, WIRE.

A. COPPER WIRE ROPE.
De Witt Wire Cloth Co., 32 Reade St., New York.
Trenton Iron Co., Trenton, N. J.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

B. GALVANIZED WIRE ROPE.
Broderick & Bascom Rope Co., 704 N. Main St., St. Louis, Mo.
De Witt Wire Cloth Co., 32 Reade St., New York.
Hazard Mfg. Co., Wilkes Barre, Pa.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

C. IRON & STEEL FLAT ROPE.
Hazard Mfg. Co., Wilkes Barre, Pa.
A. Leschen & Son's Rope Co., 920 N. Main St., St. Louis, Mo.
John A. Roebling's Sons, Trenton, N. J.
Trenton Iron Co., Trenton, N. J.

D. IRON & STEEL WIRE ROPE.
Broderick & Bascom Rope Co., 704 N. Main St., St. Louis, Mo.
Hazard Mfg. Co., Wilkes Barre, Pa.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

E. PHOSPHOR-BRONZE WIRE ROPE.
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Washburn & Moen Mfg. Co., Worcester, Mass.

F. SASH CORDS, WIRE.
De Witt Wire Cloth Co., 32 Reade St., New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hazard Mfg. Co., Wilkes Barre, Pa.
Howard & Morse, 45 Fulton, St., New York.
Ossawan Mills Co., Norwich, Conn. *65
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

G. STEEL SWITCH ROPES.
Broderick & Bascom Rope Co., 704 N. Main St., St. Louis, Mo.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

H. STEEL WIRE CABLES.
Hazard Mfg. Co., Wilkes Barre, Pa.
John A. Roebling's Sons Co., Trenton, N. J.
Trenton Iron Co., Trenton, N. J.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

I. STREET RAILWAY CABLES.
Hazard Mfg. Co., Wilkes Barre, Pa.
John A. Roebling's Sons Co., Trenton, N. J.

J. WIRE CABLES.
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Broderick & Bascom Rope Co., 704 N. Main St., St. Louis, Mo.
De Witt Wire Cloth Co., 32 Reade St., New York.
Dickson Mfg. Co., Scranton, Pa.
Hazard Mfg. Co., Wilkes Barre, Pa.
John A. Roebling's Sons Co., Trenton, N. J.
Washburn & Moen Mfg. Co., Worcester, Mass. *101
Whitten & Lascell, Lynn, Mass.

K. WIRE CLOTHES LINE.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hollow Cable Mfg. Co., Hornellsville, N. Y. *248
Fred. J. Meyers Mfg. Co., Covington, Ky.
John A. Roebling's Sons Co., Trenton, N. J.
Washburn & Moen Mfg. Co., Worcester, Mass. *101
Wire Goods Co., Worcester, Mass.

L. WIRE CLOTHES LINE, GALVANIZED.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hazard Mfg. Co., Wilkes Barre, Pa.
John A. Roebling's Sons Co., Trenton, N. J.

M. WIRE ROPE.
Broderick & Bascom Rope Co., 704 N. Main St., St. Louis, Mo.
California Wire Works, San Francisco, Cal.
Contractors' Plant Mfg. Co., 129 Erie St., Buffalo, N. Y. *91
De Witt Wire Cloth Co., 32 Reade St., New York.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fulton, Bollman & Co., Pittsburgh, Pa.
Hazard Mfg. Co., Wilkes Barre, Pa.
Howard & Morse, 45 Fulton St., New York.
A. Leschen & Sons Rope Co., 920 N. Main St., St. Louis, Mo.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
John A. Roebling's Sons Co., Trenton, N. J.
Trenton Iron Co., Trenton, N. J.
Upson, Walton & Co., Cleveland, O.
Washburn & Moen Mfg. Co., Worcester, Mass. *101
Geo. A. Williams, 85 Fulton St., New York.
Williamsport Wire Rope Co., Williamsport, Pa.
Worcester Wire Co., Worcester, Mass.

3086. EASELS, WIRE.

Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
National Mfg. Co., Worcester, Mass.
Wire Goods Co., Worcester, Mass.
Woods, Sherwood & Co., Lowell, Mass.

3087. ELEVATOR ENCLOSURES.

Cheney-Bigelow Wire Works, Springfield, Mass.
J. E. Bolles & Co., Detroit, Mich.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Minneapolis Wire Works, Minneapolis, Minn.

3088. FACTORY WIRE GOODS.

M. S. Brooks & Sons, Chester, Conn. *98
Brown Bros. & Co., Providence, R. I.
Landers, Frary & Clark, New Britain, Conn.
Wire Goods Co., Worcester, Mass.

3089. FLORAL DESIGNS, WIRE.

James Griffith, 305 Main St., Cinncinati, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.

3090. FLOWER POT STANDS.

E. T. Barnum, Detroit, Mich.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Forest City Wire & Iron Co., Cleveland, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
M. D. Jones & Co., 76 Washington St., Boston, Mass.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works, Minneapolis, Minn.

3091. GARDEN ARCHES.

Howard & Morse, 45 Fulton St., New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.

3092. GARDEN BORDERS.

J. W. Fiske, 28 Park Place, New York.
Howard & Morse, 45 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.

3093. GUARDS, WIRE.

Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Cheney-Bigelow Wire Works, Springfield, Mass.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
De Witt Wire Cloth Co., 32 Reade St., New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
National Mfg. Co., Worcester, Mass.

A. ASYLUM GUARDS.

Cheney-Bigelow Wire Works, Springfield, Mass.
Howard & Morse, 45 Fulton St., New York.

B. CHURCH WINDOW GUARDS

Howard & Morse, 45 Fulton St., New York.

C. COUNTER GUARDS.

Cheney-Bigelow Wire Works, Springfield, Mass.
Union School Furniture Co., Battle Creek, Mich.

D. COUNTER PROTECTORS.

Cheney-Bigelow Wire Works, Springfield, Mass.
Fred. J. Meyers Mfg. Co., Covington, Ky.

E. ELEVATOR GUARDS.

Nelson Beckwith, 41 Beverly St., Boston, Mass.
Cheney-Bigelow Wire Works, Springfield, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
Hopkins & Co., 90 W. Broadway, New York.
Howard & Morse, 45 Fulton St., New York.

F. NURSERY GUARDS.

Cheney-Bigelow Wire Works, Springfield, Mass.
Howard & Morse, 45 Fulton St., New York.

G. OFFICE ENCLOSURES.

Cheney-Bigelow Wire Works, Springfield, Mass.
Reliance Wire Works Co., Milwaukee, Wis.

H. SKYLIGHT GUARDS.

Cheney-Bigelow Wire Works, Springfield, Mass.
Minneapolis Wire Works, Minneapolis, Minn.

I. SPARK ARRESTERS.

Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Howard & Morse, 45 Fulton St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74

J. WINDOW GUARDS.

J. E. Bolles & Co., Detroit, Mich.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Champion Iron Co., Kenton, O.
Cheney-Bigelow Wire Works, Springfield, Mass.
J. W. Fiske, 28 Park Place, New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Jackson Architectural Iron Works, 315 E. 28th St., New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works Co., Minneapolis, Minn.
Jos. Neumann Co., 11th & Race Sts., Philadelphia, Pa.

3094. NETTING, WIRE.

Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Cheney-Bigelow Wire Works, Springfield, Mass.
Clinton Wire Cloth Co., Clinton, Mass.

DeWitt Wire Cloth Co., 32 Reade St., New York.
Howard & Morse, 45 Fulton St., New York.
McCosh Iron & Steel Co., Burlington, Iowa.
John A. Roebling's Sons, Trenton, N. J.
Sedgwick Bros., Richmond, Ind.
Wright & Colton Wire Cloth Co., Worcester, Mass.

A. GALVANIZED WIRE NETTING.
Cheney-Bigelow Wire Works, Springfield, Mass.
Clinton Wire Cloth Co., Clinton, Mass.
DeWitt Wire Cloth Co., 32 Reade St., New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
John A Roebling's Sons Co., 117 Liberty St., New York.
Sedgwick Bros., Richmond, Ind.
Wickwire Bros., Cortland, N. Y.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74

B. GLUE WIRE NETTING.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74

C. POULTRY NETTING.
Cheney-Bigelow Wire Works, Springfield, Mass.
Clinton Wire Cloth Co., Clinton, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
John A. Roebling's Sons Co., Trenton, N. J.
Sedgwick Bros., Richmond, N. J.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74

D. STEEL WIRE NETTING.
Cheney-Bigelow Wire Works, Springfield, Mass.
Gilbert & Bennett Mfg. Co., Georgetown. Conn.
Wright & Colton Wire Cloth Co., Worcester, Mass. *74

3095. PICTURE CORD, WIRE.

Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
E. W. Gilmore & Co., N. Easton, Mass.
Andrew B. Hendryx Co., New Haven, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Ossawan Mills Co., Norwich, Conn. *65
Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.
Tate & Co., Malden, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

3096. POINTED WIRES.

American Screw Co., Providence, R. I.
Atlas Tack Corporation, Sear's Bldg., Boston, Mass.
Howe Mfg. Co., Birmingham, Conn.
Wire Goods Co., Worcester, Mass.

3097. POULTRY COOPS, WIRE.

Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Fred. J. Meyers Mfg. Co., Covington, Ky.

3098. RAILINGS, WIRE.

J. E. Bolles & Co.. Detroit, Mich.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Cheney-Bigelow Wire Works, Springfield, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hecla Iron Works, N. 10th & Berry Sts., Brooklyn, N. Y.
Hollow Cable Mfg. Co., Hornellsville, N. Y. *248
Howard & Morse, 45 Fulton St., New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works, Minneapolis, Minn.
National Mfg. Co., Worcester, Mass.
Variety Iron Works, York, Pa.

A. BRASS RAILINGS.
Cheney-Bigelow Wire Works, Springfield, Mass.
M. Goulds' Son & Co., 105 Duane St., New York.
H. L. Judd & Co , 87 Chambers St., New York.
Howard & Morse, 45 Fulton St., New York.
Jos. Neumann Co., 11th & Race Sts., Philadelphia, Pa.
Norwich Nickel & Brass Works, Norwich, Conn. *61
Post & Co., 217 W. 4th St., Cincinnati, Ohio.
John Snow, Rochester, N. Y.
Stewart & Mattson Mfg. Co., 2052 N. 10th St. Philadelphia, Pa.
John Williams, 556 W. 27th St., New York.

B. DESK RAILINGS.
Cheney-Bigelow Wire Works, Springfield, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Kansas City Wire & Iron Works, Kansas City, Mo.

3099. RIDDLES.

Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Cheney-Bigelow Wire Works, Springfield, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
Forest City Wire & Iron Co., Cleveland, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.

C. O. Jelliff & Co., Southport, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.
J. W. Paxson & Co., N. Delaware Av. nr. Laurel St., Phila, Pa.

A. COAL RIDDLES.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.

B. FARMERS' RIDDLES.
Ludlow-Saylor Wire Co., 116 S. 4th St., St, Louis, Mo.

C. FOUNDRY RIDDLES.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Cheney-Bigelow Wire Works, Springfield, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
National Mfg. Co., Worcester, Mass.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
Wright & Colton, Wire Cloth Co., Worcester, Mass. *74

D. GALVANIZED RIDDLES.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Cheney-Bigelow Wire Works, Springfield, Mass.
Howard & Morse, 45 Fulton St., New York.
Wright & Colton, Wire Cloth Co., Worcester, Mass. *74

E. GRAIN RIDDLES.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.

F. MINERS' RIDDLES.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.

3100. SCREENS.

Bradley & Hubbard Mfg. Co., Meriden, Conn.
E. T. Burrows & Co., Portland, Me.
Cheney-Bigelow Wire Works, Springfield, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Patent Metallic Weather Strip Co., 74 W. 23d St., New York.
H. W. Putney & Sons, Lyons, N. Y.
Vulcan Iron Works, Wilkes Barre, Pa. *131
G. A. Williams, 85 Fulton St., New York.
Wooley & Co., 61 Fulton St., New York.

A. COAL SCREENS.
E. T. Barnum, Detroit, Mich.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Cheney-Bigelow Wire Works, Springfield, Mass.
Clinton Wire Cloth Co., Clinton, Mass.
Dickson Mfg. Co., Scranton, Pa.
Forest City Wire & Iron Co., Cleveland, O.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Howard & Morse, 45 Fulton St., New York.
Jeffrey Mfg. Co., Columbus, O.
C. O. Jelliff & Co., Southport, Conn.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works Co., Minneapolis, Minn.
Prox & Brinkman Mfg. Co., Terre Haute, Ind.
Vulcan Iron Works, Wilkes Barre, Pa. *131
Wickwire Bros., Cortland, N. Y.

B. CRUSHER SCREENS.
Robinson & Rea Mfg. Co., Pittsburgh, Pa.

C. DOOR SCREENS.
E. T. Burrows & Co., Portland, Me.
J. A. Dubuar Mfg. Co., Northville, Mich.
Huebner Mfg. Co., Detroit, Mich.
Ottumwa Screen Co., Ottumwa, Iowa.
Porter Mfg. Co., Burlington, Vt.
Queen Anne Screen Co., Burlington, Vt.
Ripon Wire Door & Window Screen Co., Ripon, Wis.
Samuel Roebuck, 172 Fulton St., New York.
E. C. Stearns & Co., Syracuse, N. Y.
Taylor & Boggis Foundry Co., Cleveland, O.
Venetian Blind Co., Burlington, Vt.
Wm. Willer, Milwaukee, Wis.

D. EXTENSION SCREENS.
E. N. Porter & Co., Burlington, Vt.
Queen Anne Screen Co., Burlington, Vt.

E. FLY SCREENS.
Kansas City Wire & Iron Works, Kansas City, Mo.
Paine, Diehl & Co., 1430 S. Penn Square, Philadelphia, Pa.
E. N. Porter & Co., Burlington, Vt.
Queen Anne Screen Co., Burlington, Vt.
Venetian Blind Co., Burlington, Vt.

F. GRAVEL SCREENS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Cheney-Bigelow Wire Works, Springfield, Mass.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Howard & Morse, 45 Fulton St., New York.

G. IRON SCREENS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Howard & Morse, 45 Fulton St., New York.

H. LIME SCREENS.
Fred. J. Meyers Mfg. Co., Covington, Ky.

I. ORE SCREENS.
Clinton Wire Cloth Co., Clinton, Mass.
Forest City Wire & Iron Co., Cleveland, O.
Fort Scott Foundry & Machine Works Co., Ft. Scott, Kan.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Howard & Morse, 45 Fulton St., New York.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Vulcan Iron Works, Wilkes Barre, Pa.

J. PIPE COIL SCREENS.
Jackson Architectural Iron Works, 315 E. 28th St., New York.

K. REVOLVING SCREENS.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Vulcan Iron Works, Wilkes Barre, Pa. *131

L. SAND SCREENS.
Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Cheney-Bigelow Wire Works, Springfield, Mass.
Forest City Wire & Iron Co., Cleveland, O.
Fraser & Chalmers, Union & Fulton Sts., Chicago, Ill.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hendrick Mfg. Co., Ltd., Carbondale, Pa.
Howard & Morse, 45 Fulton St., New York.
Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works Co., Minneapolis, Minn.

M. STEEL SCREENS.
Bucyrus Steam Shovel & Dredge Co., Bucyrus, O.
Dickson Mfg. Co., Scranton, Pa.

N. WHITE MORTAR SCREENS.
Howard & Morse, 45 Fulton St., New York.

O. WINDOW SCREENS.
E. T. Burrows Co., Portland, Me.
J. A. Dubuar Mfg. Co., Northville, Mich.
Eagle Machine Co., Lancaster, O. *114
Forest City Wire & Iron Co., Cleveland, O.
Howard & Morse, 45 Fulton St., New York.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
Linton Mfg. Co., E. Saginaw, Mich.
Maine Mfg. Co., Fairfield, Me.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Ottumwa Screen Co., Ottumwa, Iowa.
Owosso Tool Co., Owosso, Mich.
Paine, Diehl & Co., 1430 S. Penn Square, Philadelphia, Pa.
A. J. Phillips & Co., Fenton, Mich.
Porter Mfg. Co., Burlington, Vt.
Queen Anne Screen Co., Burlington, Vt.
Ripon Wire Door & Window Screen Co., Ripon, Wis.
Samuel Roebuck, 172 Fulton St., New York.
F. O. Snow & Co., 465 Washington St., Boston, Mass.
E. C. Stearns & Co., Syracuse, N. Y.
Venetian Blind Co., Burlington, Vt.
G. A. Williams, 85 Fulton St., New York.
Wooley & Co., 61 Fulton St., New York.

P. WIRE PARTITION SCREENS.
Union School Furniture Co., Battle Creek, Mich.

3101. SIEVES.
Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.
Cheney-Bigelow Wire Works, Springfield, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
Henry E. Deane & Co., Worcester, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Geo. H. Jellif, New Canaan, Conn.
Geo. W. Lane & Co., Rockford, Ill.

A. COAL SIEVES.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Wickwire Bros., Cortland, N. Y.

B. DRUGGISTS' SIEVES.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.

3102. TRELLISES, WIRE.
Cheney-Bigelow Wire Works, Springfield, Mass.
Forest City Wire & Iron Co., Cleveland, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St,, New York.
Kansas City Wire & Iron Works, Kansas City, Mo.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works Co., Minneapolis, Minn.
National Mfg. Co., Worcester, Mass.

3103. WICKETS.
Post & Co., 217 W. 4th St., Cincinnati, O.
Union School Furniture Co., Battle Creek, Mich.

3104. WIRE.

A. ALUMINUM-BRONZE WIRE.
Aluminum Brass & Bronze Co., Bridgeport, Conn.
Washburn & Moen Mfg. Co., Worcester, Mass. *101

B. ALUMINUM WIRE.	Wallace & Sons, Ansonia, Conn.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
C. ARTIFICIAL FLOWER WIRE.	Ossawan Mills Co., Norwich, Conn.	*65
	Tate & Co., Malden, Mass.	
D. AWL WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
E. BALING WIRE.	Cambria Iron Co., Johnstown, Pa.	
	Griswold Bros., Troy, N. Y.	
	Kilmer Mfg. Co., Newburg, N. Y.	
	McCosh Iron & Steel Co., Burlington, Iowa.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Worcester Wire Co., Worcester, Mass.	
F. BARB WIRE.	Ashley Wire Co., Joliet, Ill.	
	Baker Wire Co., Des Moines, Iowa.	
	Clement M. Biddle & Co., Pittsburgh, Pa.	
	Braddock Wire Co., Pittsburgh, Pa.	
	Buck-Thorn Fence Co., Trenton, N. J.	
	Cincinnati Barbed Wire Fence Co., Cincinnati, O.	
	Cleveland Barb Fence Co., Cleveland, O.	
	Continental Wire Co., Olive & 4th Sts., St. Louis, Mo.	
	I. L. Ellwood Mfg. Co., De Kalb, Ill.	
	Jacob Haish & Co., De Kalb, Ill.	
	Hartman Mfg. Co., 10 Chambers St., New York.	
	Hawkeye Steel Barb Fence Co., Burlington, Iowa.	
	Hazard Mfg. Co., Wilkes Barre, Pa.	
	Indiana Wire Fence Co., Crawfordsville, Ind.	
	Iowa Barb Wire Co., 98 Reade St., New York.	
	Joliet Enterprise Co., Joliet, Ill.	
	Kelly Barb Wire Co., 441 The Rookery, Chicago, Ill.	
	Kilmer Mfg. Co., Newburg, N. Y.	
	Lambert & Bishop, Joliet, Ill.	
	Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.	
	McCosh Iron & Steel Co., Burlington, Iowa.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Northwestern Barb Wire Co., Sterling, Ill.	
	Oliver & Roberts Wire Co., Ltd., Pittsburgh, Pa.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	St. Louis Wire Mill Co., 21st & Papin Sts., St. Louis, Mo.	
	Sandwich Enterprise Co., Sandwich, Ill.	
	Superior Barbed Wire Co., De Kalb, Ill.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Western Fence Co., 441 Rookery Building, Chicago, Ill.	
G. BARB WIRE, LINK.	Cambria Iron Co., Johnstown, Pa.	
H. BAND SAW WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Worcester Wire Co., Worcester, Mass.	
I. BELT HOOK WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
J. BEVELLED WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
K. BOLT WIRE.	Worcester Wire Co., Worcester, Mass.	
L. BONNET WIRE.	W. M. Comey, Franklin City, Mass.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Tate & Co., Malden, Mass.	
	Worcester Wire Co., Worcester, Mass.	
M. BOOKBINDERS' WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
N. BOTTLING WIRE.	Chapin Bottling Wire Co., Lynn, Mass.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Geo. W. Prentiss & Co., Holyoke, Mass.	
	Wallace & Sons, Ansonia, Conn.	
	Worcester Wire Co., Worcester, Mass.	
O. BRASS WIRE.	Ansonia Brass & Copper Co., Ansonia, Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	E. D. Griggs, 61 Duane St., New York.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100
	Malin & Co., Cleveland, O.	
	Manhattan Brass Co., 338 E. 38th St., New York.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Rome Iron Works, Rome, N. Y.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Seymour Mfg. Co., Seymour, Conn.	
	Tate & Co., Malden, Mass.	
	Wallace & Sons, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
P. BRONZE WIRE.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	

	De-Oxidized Metal Co., Bridgeport, Conn.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
Q. BROOM & BRUSH WIRE.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Geo. W. Prentiss & Co., Holyoke, Mass.	
	R. H. Wolff & Co., 560 E. 118th St., New York.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Worcester Wire Co., Worcester, Mass.	
R. BUCKLE WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
S. CABLE SCREW WIRE.	Washburn & Moen Mfg. Co., Worcester. Mass.	*101
T. CARD WIRE.	New Haven Wire Mfg. Co., New Haven, Conn.	
	Wadsworth Bros., Lowell, Mass.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Worcester Wire Co., Worcester, Mass.	
U. CAST STEEL WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Worcester Wire Co., Worcester, Mass.	
V. CHECK ROWER WIRE.	Cambria Iron Co., Johnstown, Pa.	
	Chambers, Bering & Quinlan Co., Decatur, Ill.	
	Joliet Strowbridge Co., Joliet, Ill.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Worcester Wire Co., Worcester, Mass.	
W. COPPER WIRE.	Ansonia Brass & Copper Co., Ansonia. Conn.	*211
	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
	Bridgeport Brass Co., Bridgeport, Conn.	*27
	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Coe Brass Mfg. Co., Torrington, Conn.	
	De-Oxidized Metal Co., Bridgeport, Conn.	
	DeWitt Wire Cloth Co., 32 Reade St., New York.	
	Eastwood Wire Mfg. Co., Belleville, N. J.	
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
	E. D. Griggs, 61 Duane St., New York.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Lewisohn Bros., 81 Fulton St., New York.	
	Malin & Co., Cleveland, O.	
	Manhattan Brass Co., 338 E. 28th St., New York.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	John A. Roebling's Sons Co., Trenton, N. J.	
	Seymour Mfg. Co., Seymour, Conn.	
	Tate & Co., Malden, Mass.	
	Wallace & Sons, 29 Chambers St., New York.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Waterbury Brass Co., Waterbury, Conn.	
X. COPPERED WIRE.	Chicago Wire & Spring Co., 307 N. Office Building, Chicago, Ill.	
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
	Kilmer Mfg. Co., Newburg, N. Y.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Oliver & Roberts Wire Co., Ltd., Pittsburgh, Pa.	
	Geo. W. Prentiss & Co., Holyoke, Mass.	
	Trenton Iron Co., Trenton, N. J.	
	R. H. Wolff & Co., 560 E. 118th St., New York.	
	Worcester Wire Co., Worcester, Mass.	
Y. CORSET WIRE.	New Haven Wire Mfg. Co., New Haven, Conn.	
	R. H. Wolff & Co., 560 E. 118th St., New York.	
Z. CRINOLINE WIRE.	James Bowers & Co., Newark, N. J.	
	Cary & Moen Co., 234 W. 29th St., New York.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	R. H. Wolff & Co., 560 E. 118th St., New York.	
AA. CUTTING WIRE.	Worcester Wire Mfg. Co., Worcester, Mass.	
BB. DRILL WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
CC. DOUBLE POINTED TACK WIRE.	Worcester Wire Co., Worcester, Mass.	
DD. FENCE WIRE.	W. J. Adam, Joliet, Ill.	
	American Screw Co., Providence, R. I.	
	B. F. Avery & Sons, Louisville, Ky.	
	Baker Wire Co., Des Moines, Iowa.	
	Cambria Iron Co., Johnstown, Pa.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
	Hazard Mfg. Co., Wilkes Barre, Pa.	
	Iowa Barb Wire Co., 98 Reade St., New York.	
	Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.	
	McCosh Iron & Steel Co., Burlington, Iowa.	
	H. P. Nail Co., Cleveland, O.	
	New Haven Wire Mfg. Co., New Haven, Conn.	

		John A. Roebling's Sons Co., Trenton, N. J.	
		Sedgwick Bros., Richmond, Ind.	
		Trenton Iron Co., Trenton, N. J.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
EE.	FLAT WIRE.	Geo. W. Prentiss & Co., Holyoke, Mass.	
FF.	FLORISTS' WIRE.	Malin & Co., Cleveland, O.	
		Geo. W. Prentiss & Co., Holyoke, Mass.	
		Worcester Wire Co., Worcester, Mass.	
GG.	GALVANIZED IRON WIRE.	Braddock Wire Co., Pittsburgh, Pa.	
		Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
		Kilmer Mfg. Co., Newburg, N. Y.	
		McCosh Iron & Steel Co., Burlington, Iowa.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Oliver & Roberts Wire Co., Ltd., Pittsburgh, Pa.	
		Tate & Co., Malden, Mass.	
		Trenton Iron Co., Trenton, N. J.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
HH.	GERMAN SILVER WIRE.	Benedict & Burnham Mfg. Co., Waterbury, Conn.	*51
		Bridgeport Brass Co., Bridgeport, Conn.	*27
		Coe Brass Mfg. Co., Torrington, Conn.	
		Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
		Plume & Atwood Mfg. Co., Waterbury, Conn.	
		Scovill Mfg. Co., Waterbury, Conn.	
		Seymour Mfg. Co., Seymour, Conn.	
		Wallace & Sons, Ansonia, Conn.	
		Waterbury Brass Co., Waterbury, Conn.	
II.	GOLD FILLED WIRE.	Burden Seamless Filled Wire Co., Providence, R. I.	
		Standard Seamless Wire Co., Pawtucket, R. I.	
JJ.	GOLD WIRE.	Geo. H. Fuller & Son, Pawtucket, R. I.	
		S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.	
KK.	GUN SCREW WIRE.	New Haven Wire Mfg. Co., New Haven, Conn.	
		Geo. W. Prentiss & Co., Holyoke, Mass.	
		A. T. Wall & Co., Providence, R. I.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
LL.	HAIR WIRE.	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
		Malin & Co., Cleveland, O.	
		Ossawan Mills Co., Norwich, Conn.	*65
		Tate & Co., Malden, Mass.	
		Washburn & Moen Mfg. Co., Worcester Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
MM.	HARNESS WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
NN.	HAT WIRE.	W. B. Curtis & Co., Danbury, Conn.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Worcester Wire Co., Worcester, Mass.	
OO.	HEDDLE WIRE.	Worcester Wire Co., Worcester, Mass.	
PP.	HORSE CARD WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
QQ.	IRON WIRE.	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
		Chicago Wire & Spring Co., 307 N'th'n Office Bldg., Chicago, Ill.	
		Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
		Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
		McCosh Iron & Steel Co., Burlington, Iowa.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Geo. W. Prentiss & Co., Holyoke, Mass.	
		John A. Roebling's Sons Co., Trenton, N. J.	
		Spencer Wire Co., Spencer, Mass.	
		Trenton Iron Co., Trenton, N. J.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
RR.	JACK WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
SS.	JEWELERS' WIRE.	J. Briggs & Sons Co., Providence, R. I.	
		Geo. H. Fuller & Son, Pawtucket, R. I.	
		P. & A. Linton, Providence, R. I.	
		A. T. Wall & Co., Providence, R. I.	
TT.	LOOM WIRE.	Worcester Wire Co., Worcester, Mass.	
UU.	MACHINERY WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
VV.	MARKET WIRE.	Cambria Iron Co., Johnstown, Pa.	
		Hazard Mfg. Co., Wilkes Barre, Pa.	
		H. P. Nail Co., Cleveland, O.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Oliver & Roberts Wire Co., Ltd., Pittsburgh, Pa.	
		Trenton Iron Co., Trenton, N. J.	
		Worcester Wire Co., Worcester, Mass.	
WW.	MARKET WIRE, BRIGHT.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101

XX.	MATTRESS WIRE.	Geo. W. Prentiss & Co., Holyoke, Mass.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
YY.	MILLINERS' WIRE.	New Haven Wire Mfg. Co., New Haven, Conn.	
		Tate & Co., Malden, Mass.	
		Worcester Wire Co., Worcester, Mass.	
ZZ.	NAIL WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Aa.	NEEDLE WIRE.	Haley Mfg. Co., Concord, N. H.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Sanderson Bros. Steel Co., Syracuse, N. Y.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Bb.	NICKEL SILVER WIRE.	Walter S. Brower, Albany, N. Y.	
Cc.	PHOSPHOR-BRONZE WIRE.	Phosphor-Bronze Smelting Co., Ltd., 512 Arch St., Phila., Pa.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
Dd.	OVAL WIRE.	Geo. W. Prentiss & Co., Holyoke, Mass.	
		Worcester Wire Co., Worcester, Mass.	
Ee.	PLATINUM WIRE.	Baker & Co., Newark, N. J.	
		A. S. Wall & Co., Providence, R. I.	
		S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.	
Ff.	PLATED COVERING WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
Gg.	RAKE TOOTH WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Hh.	REED WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Ii.	RIVET WIRE.	Worcester Wire Co., Worcester, Mass.	
Jj.	SCREW WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Kk.	SILICON BRONZE WIRE.	Aluminum Brass & Bronze Co., Bridgeport, Conn.	
		S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.	
Ll.	SILVER WIRE.	Walter S. Brower, Albany, N. Y.	
		Geo. H. Fuller & Son, Pawtucket, R. I.	
		A. T. Wall & Co., Providence, R. I.	
		S. S. White Dental Mfg. Co., Chestnut & S. 12th Sts., Phila., Pa.	
Mm.	SPECIAL WIRE.	Chicago Wire & Spring Co., 307 North Office Bldg., Chicago, Ill.	
		Geo. W. Prentiss & Co., Holyoke, Mass.	
		Worcester Wire Co., Worcester, Mass.	
Nn.	SPOOL WIRE.	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
		Malin & Co., Cleveland, O.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Oo.	SPRING WIRE.	New Haven Wire Mfg. Co., New Haven, Conn.	
		Tate & Co., Malden, Mass.	
		R. H. Wolff & Co., 560 E. 118th St., New York.	
		Worcester Wire Co., Worcester, Mass.	
Pp.	SPRING WIRE, BRASS.	Ansonia Brass & Copper Co., 19 Cliff St., New York.	
		Scoville Mfg. Co., Waterbury, Conn.	
Qq.	SPRING WIRE, FURNITURE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		R. H. Wolff & Co., 560 E. 118th St., New York.	
		Worcester Wire Co., Worcester, Mass.	
Rr.	SQUARE SPINDLE WIRE.	Geo. W. Prentiss & Co., Holyoke, Mass.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Ss.	STAPLE WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		Worcester Wire Co., Worcester, Mass.	
Tt.	STEEL WIRE.	Baker Wire Co., Des Moines, Iowa.	
		Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
		Cambria Iron Co., Johnstown, Pa.	
		Cary & Moen Co., 234 W. 29th St., New York.	
		W. Crabb & Co., Newark, N. J.	
		Globe Rolling Mill Co., 165 W. Pearl St., Cincinnati, O.	
		Iowa Barb Wire Co., 98 Reade St., New York.	
		Malin & Co., Cleveland, O.	
		Miller & Van Winkle, 102 Walker St., New York.	
		New Haven Wire Mfg. Co., New Haven, Conn.	
		Pennsylvania Steel Co., 208 S. 4th St., Philadelphia, Pa.	
		John A. Roebling's Sons Co., Trenton, N. J.	
		Spencer Wire Co., Spencer, Mass.	
		Trenton Iron Co., Trenton, N. J.	
		Washburn & Moen Mfg. Co., Worcester, Mass.	*101
		R. H. Wolff & Co., 560 E. 118th St., New York.	
		Worcester Wire Co., Worcester, Mass.	
Uu.	STEEL WIRE, MUSIC.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
Vv.	TEDDER WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101

	Worcester Wire Co., Worcester, Mass.	
WW. TINNED WIRE.	Chicago Wire & Spring Co., 307 Northern Office Bldg., Chicago, Ill.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Malin & Co., Cleveland, O.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Oliver & Roberts Wire Co., Ltd., Pittsburgh, Pa.	
	Palmer Wire Mfg. Co., Palmer, Mass.	
	Geo. W. Prentiss & Co., Holyoke, Mass.	
	Tate & Co., Malden, Mass.	
	Trenton Iron Co., Trenton, N. J.	
	Worcester Wire Co., Worcester, Mass.	
XX. TWIST WIRE.	Continental Wire Co., Olive & 4th Sts., St. Louis, Mo.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	McCosh Iron & Steel Co., Burlington, Iowa.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Wright & Colton Wire Cloth Co., Worcester, Mass.	*74
Yy. UMBRELLA WIRE.	Washburn & Moen Mfg. Co., Worcester, Mass.	*101
	Worcester Wire Co., Worcester, Mass.	
ZZ. WEAVING WIRE.	Geo. W. Prentiss & Co., Holyoke, Mass.	
	New Haven Wire Mfg. Co., New Haven, Conn.	
	Tate & Co., Malden, Mass.	
	Trenton Iron Co., Trenton, N. J.	
	Worcester Wire Co., Worcester, Mass.	
3105. WIRE GOODS.	Aluminum Brass & Bronze Co., 53 Chambers St., New York.	
	Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.	
	M. S. Brooks & Son, Chester, Conn.	*98
	F. A. Chase & Co., Providence, R. I.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Ludlow-Saylor Wire Co., 116 S. 4th St., St. Louis, Mo.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	
	National Mfg. Co., Worcester, Mass.	
	Paine, Diehl & Co., 1430 S. Penn. Square, Philadelphia, Pa.	
	W. H. Sweeney Mfg. Co., 240 Water St., New York.	
	Wire Goods Co., Worcester, Mass.	
A. BRIGHT WIRE GOODS.	M. S. Brooks & Sons, Chester, Conn.	*98
	Brown Bros. & Co., Providence, R. I.	
	Ossawan Mills Co., Norwich, Conn.	*65
	Wire Goods Co., Worcester, Mass.	
B. HOUSEHOLD WIRE GOODS.	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	National Mfg. Co., Worcester, Mass.	
	Wire Goods Co., Worcester, Mass.	
	Woods, Sherwood & Co., Lowell, Mass.	
C. SPECIAL WIRE GOODS.	M. S. Brooks & Son, Chester, Conn.	*98
	Wire Goods Co., Worcester, Mass.	
D. WHITE LUSTRAL WIRE GOODS.	Woods, Sherwood & Co., Lowell, Mass.	
3106. WIRE ROPE FITTINGS.	Wilcox, Crittenden & Co., Middletown, Conn.	
3107. WIRE WORK.	A. H. Andrews & Co., 215 Wabash Ave, Chicago, Ill.	
	Wm. Cabble Excelsior Wire Mfg. Co., 43 Fulton St., New York.	
	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Clinton Wire Cloth Co., Clinton, Mass.	
	Gilbert & Bennett Mfg. Co., Georgetown, Conn.	
	Howard & Morse, 45 Fulton St., New York.	
A. BUILDERS' WIRE WORK.	E. T. Barnum, Detroit, Mich.	
	J. E. Bolles & Co., Detroit, Mich.	
B. DIAMOND WIRE WORK.	Howard & Morse, 45 Fulton St., New York.	
C. ELEVATOR WIRE WORK.	Cheney-Bigelow Wire Works, Springfield, Mass.	
	Howard & Morse, 45 Fulton St., New York.	
	Fred. J. Meyers Mfg. Co., Covington, Ky.	

XLV. MISCELLANEOUS.

3108. ADDING MACHINES.	Felt & Tarrant Mfg. Co., 52 Illinois St., Chicago, Ill.	
	Kruse Cash Register Co., 124 E. 14th St., New York.	
	D. S. Plumb, Newark, N. J.	*82
	Quantograph Co., Youngstown, O.	
	Webb's Adder Co., 58 Cedar St., New York.	
3109. ALPHABETS & FIGURES.		
A. BRASS LETTERS & FIGURES.	Bradley & Hubbard Mfg. Co., Meriden, Conn.	
	Wm. H. Howard, Dayton, O.	

Iron Clad Mfg. Co., 22 Cliff St., New York.
New York Stencil Works, 100 Nassau St., New York.
Arthur Stafford, 35 Beekman St., New York.
N. Stafford, 66 Fulton St., New York.

B. COPPER LETTERS & FIGURES. Iron Clad Mfg. Co., 22 Cliff St., New York.

C. ENAMELLED LETTERS & FIGURES. Cæsar Bros., 11 Park Row, New York.

D. GUMMED PAPER LETTERS & FIGURES. Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
L. Prang & Co., 286 Roxbury St., Boston, Mass.

E. METALLIC PATTERN LETTERS & FIGURES. S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
S. H. Quint & Son, 14 S. 4th St., Philadelphia, Pa.
A. A. White & Co., Providence, R. I.

F. STEEL LETTERS & FIGURES. W. Barnard & Co., 314 Olive St., St. Louis, Mo.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
New York Stencil Works, 100 Nassau St., New York.

3110. ANEMOMETERS. B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

3111. ANIMAL FOOD. Akron Tool Co., Akron, O.
Hudnut Co., Terre Haute, Ind.
F. Schumacher Milling Co., Akron, O.

3112. ANIMAL POKES. A. W. Bishop, Berea, O.
Eagle Machine Co., Lancaster, O. *114
Empire Drill Co., Shortsville, N. Y.
Hughes & Smythe, Galena, O.
Iowa Farming Tool Co., Fort Madison, Iowa.
Lansing Wheelbarrow Co., Lansing, Mich.
Richard W. Montross, Galien, Mich.

3113. AQUARIUMS. J. W. Fiske, 28 Park Place, New York.
S. Freeman & Sons Mfg. Co., Racine, Wis.
M. D. Jones & Co., 76 Washington St., Boston, Mass.
Fred. J. Meyers Mfg. Co., Covington, Ky.

A. AQUARIUM ORNAMENTS. Jacob C. Cassel, 709 Arch St., Philadelphia, Pa.

3114. ART METAL GOODS. Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballard Vale, Mass.
Edward Darby & Sons, 233 Arch St., Philadelphia, Pa.
DeKosenko & Hetherington Mfg. Co., 804 Sansom St., Phila., Pa.
J. W. Fiske, 28 Park Place, New York.
Gorham Mfg. Co., Providence, R. I.
H. L. Judd & Co., 87 Chambers St., New York.
J. & R. Lamb, 59 Carmine St., New York.
Reinhold G. Ledig, 821 Cherry St., Philadelphia, Pa.
Mathews & Willard Mfg. Co., Waterbury, Conn.
Meriden Bronze Co., Meriden, Conn.
Novelty Mfg. Co., Waterbury, Conn.
Reed & Barton, Taunton, Mass.

A. ART CASTINGS. Craighead & Kintz Co., Ballard Vale, Mass.
Magee Furnace Co., 30 Union St., Boston, Mass.

B. ARTISTIC BRASS GOODS. Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballard Vale, Mass.
E. J. Hoadley, Hartford, Conn.
Howard & Morse, 45 Fulton St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
Meriden Bronze Co., Meriden, Conn.
Pittsburgh Brass Co., Allegheny, Pa.
Steele & Johnson, S. Main St., Waterbury, Conn.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.
Wightman & Co., 108 Greene St., New York.

C. ARTISTIC BRONZE GOODS. Bradley & Hubbard Mfg. Co., Meriden, Conn.
Craighead & Kintz Co., Ballard Vale, Mass.
Meriden Bronze Co., Meriden, Conn.

D. BRASS & BRONZE CASTINGS. Best, Fox & Co., Pittsburgh, Pa.
Buffalo Register Works, Buffalo, N. Y.
De-Oxidized Metal Co., Bridgeport, Conn.
George Fischer & Bro., 209 Forsyth St., New York.
Meriden Malleable Iron Co., Meriden, Conn.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.
Pittsburgh Brass Co., Allegheny, Pa.
Vulcan Iron Works, Wilkes Barre, Pa. *131

E. BRONZES. Ansonia Clock Co., 11 Cliff St., New York. *211
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Meriden Bronze Co., Meriden, Conn.
Edward Miller & Co., Meriden, Conn.
Mitchell Vance Co., 237 10th Av., New York.
New Jersey Lamp & Bronze Works, New Brnnswick, N. J.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

F. BRONZE FIGURES. Ansonia Clock Co., 11 Cliff St., New York. *211

Bradley & Hubbard Mfg. Co., Meriden, Conn.
F. Kroeber Clock Co., 360 Broadway, New York.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

G. FANCY METAL GOODS.
R. C. Jenkinson & Co., Newark, N. J.
J. F. Kitchell Mfg. Co., Newark, N. J.
Lane Mfg. Co., Waterbury, Conn.
Novelty Mfg. Co., Waterbury, Conn.
Turner & Seymour, Mfg. Co., Torrington, Conn.

H. IRON ART WORK.
Stewart & Mattson Mfg. Co., 2052 N. 10th St., Philadelphia, Pa.

I. IRON BOUQUET HOLDERS.
M. D. Jones & Co., 76 Washington St., Boston, Mass.

J. IRON PLANTS.
M. D. Jones & Co., 76 Washington St., Boston, Mass.

3115. ARTIFICIAL FLOWERS & LEAVES.

J. & L. Baxter, 731 Arch St., Philadelphia, Pa.
Mathilda Besnard, New Orleans, La.
F. Bianchi & Co., 547 Broadway, New York.
L. Bussiere, New Orleans, La.
S. Gerard, 134 Bleecker St., New York.
Herman & Guinzburg, 627 Broadway, New York.
Lewis & Co., 2 E. 14th St., New York.
Chas. Siebert, 523 Broome St., New York.
A. Supot, 138 Wooster St., New York.
Thos. H. Wood & Co., 573 Broadway, New York.

3116. ARTIFICIAL PLANTS.

S. Gerard, 134 Bleecker St., New York.
C. Pelletier, 135 Wooster St., New York.

3117. ARTISTS' MATERIALS.

A. ACADEMY BOARDS, ARTISTS'.
F. W. Devoe & Co., Fulton & William Sts., New York.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.
C. T. Raynolds & Co., 106 Fulton St., New York.

B. AIR BRUSHES.
Air Brush Mfg. Co., Rockland, Ill.
J. Marsching & Co., Chicago, Ill.

C. ARTISTS' CANVAS.
F. W. Devoe & Co., Fulton & William Sts., New York.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.
C. T. Raynolds & Co., 106 Fulton St., New York.

D. ARTISTS' CASTS.
L. Castelvecchi, 143 Grand St., New York.
C. Hennecke & Co., Milwaukee, Wis.
J. Marsching & Co., Chicago, Ill.

E. ARTISTS' CLAMPS.
Wm. N. Lockwood, Campville, Conn.
J. Marsching & Co., Chicago, Ill.

F. ARTISTS' EASELS.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.

G. ARTISTS' MILL BOARDS.
F. W. Devoe & Co., Fulton & William Sts., New York.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.
C. T. Raynolds & Co., 106 Fulton St., New York.

H. ARTISTS' PALETTES.
Arlington Mfg. Co., 84 Leonard St., New York.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.

I. ARTISTS' STRAINERS.
Caws Ink & Pen Co., 104 Broadway, New York.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.

J. ARTISTS' STRETCHERS.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.

K. ARTISTS' UMBRELLA STAFFS.
S. Goldberg, 285 6th Av., New York.
J. Marsching & Co., Chicago, Ill.

L. DRAWING BOARDS.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.
Novelty Wood Works, Union City, Pa.

M. DRAWING MODELS.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
F. W. Devoe & Co., Fulton & William Sts., New York.

N. ETCHING MATERIALS.
A. V. Benoit, 146 Fulton St., New York.
J. Marsching & Co., Chicago, Ill.
John Sellers & Sons, 17 Dey St., New York.

O. FIXATIVE.
F. W. Devoe & Co., Fulton & William Sts., New York.
J. Marsching & Co., Chicago, Ill.

P. GEOMETRICAL MODELS.
A. H. Andrews & Co., 215 Wabash Av., Chicago, Ill.
F. W. Devoe & Co., Fulton & William Sts., New York.

Q. GOLD & SILVER INKS.
F. W. Devoe & Co., Fulton & William Sts., New York.
J. Marsching & Co., Chicago, Ill.

R. LIQUID INDIA INK.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
F. W. Devoe & Co., Fulton & William Sts., New York.
J. Marsching & Co., Chicago, Ill.

S. OIL SKETCHING PAPERS.
F. W. Devoe & Co., Fulton & William Sts., New York.
E. H. Friedrichs, 28 Prince St., New York.
J. Marsching & Co., Chicago, Ill.

C. T. Raynolds & Co., 106 Fulton St., New York.
T. PALETTE CUPS. N. E. Montross, 1380 Broadway, New York.

3118. ASBESTOS HANGINGS. Chalmers-Spence Co., 419 E. 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

3119. ASPARAGUS BUNCHERS.
Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

3120. ASSAY GOODS. Eimer & Amend, 205 3d Av., New York.
Herman Kohlbusch, 59 Nassau St., New York.

3121. ASTRONOMICAL INSTRUMENTS.
Buff & Berger, 9 Province Court, Boston, Mass.
Alvan Clark & Son, Cambridgeport, Mass.
Wm. Gardam & Son, 98 John St., New York.
Warner & Swasey, Cleveland, O.

A. ASTRONOMICAL INSTRUMENT LENSES. Buff & Berger, 9 Province Court, Boston, Mass.
Alvan Clark & Son, Cambridgeport, Mass.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.

B. TELESCOPES. Bausch & Lomb Optical Co., Rochester, N. Y.
Alvan Clark & Son, Cambridgeport, Mass.
Guiseppe Tagliabue, 302 Pearl St., New York.
Warner & Swasey, Cleveland, O.

3122. AWNINGS. John Boyle, 199 Fulton St., New York.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Detroit Tent & Awning Co., Detroit, Mich.
Dougherty Bros., 218 Market St., St. Louis, Mo.
J. B. Gifford, Fall River, Mass.
W. H. Hoffman, 150 W. Broadway, New York.
Hubbard Hammock & Chair Co., Sauk Centre, Minn.
Hutchings & Bro., 31 South St., New York.
Jackson Awning Co., Newark, N. J.
John F. McHugh, 1263 Broadway, New York.
Missouri Tent & Awning Co., 220 Chestnut St., St. Louis, Mo.
Murray & Co., 8 S. Jefferson St., Chicago, Ill.
Neville & Co., San Francisco, Cal.
W. C. Noon & Co., Portland, Ore.
E. L. Parrish & Co., Buffalo, N. Y.
Roberts Bros., 71 Market St , Chicago, Ill.
R. M. Yale, 29 S. Market St., Boston, Mass.

3123. AWNING POLES. W. L. Glidden, 220 Pacific St., Brooklyn, N. Y.
W. H. Hoffman, 150 W. Broadway, New York.
Kerr Bros. & Co., Hicksville, O.

3124. BACK SCRATCHERS. F. Grote & Co., 114 E. 14th St., New York.

3125. BADGES. American Railway Supply Co., 26 Park Place, New York.
Robt. F. Cooke, 164 Fulton St., New York.
S. A. French, 400 Broome St., New York.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Hoole Mfg. Co., 46 Bond St., New York.
New York Stencil Works, 100 Nassau St., New York.
Arthur Stafford, 35 Beekman St., New York.

A. EMBROIDERED BADGES. American Railway Supply Co., 26 Park Place, New York.

B. FIREMEN'S BADGES. Anderson & Jones, 125 Grand St., New York.
Cairns & Bro., 143 Grand St., New York.
B. V. Francis Jahn, 506 Race St., Philadelphia, Pa.
J. M. Migeod & Son, 510 Race St., Philadelphia, Pa.
New York Stencil Works, 100 Nassau St., New York.

C. SILK BADGES. C. S. Martindell, 132 S. 8th St., Philadelphia, Pa.
Torsch & Lee, Baltimore, Md.

D. WOVEN BADGES. New York Woven Label Mfg. Co., 262 Canal St., New York.

3126. BAG HOLDERS. Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
G. S. Foos Co., Springfield, O.

3127. BALLING IRONS. Covert Mfg. Co., W. Troy, N. Y. *17

3128. BANNER RODS & STANDS.
American Pin Co., Waterbury, Conn.
N. P. Bowsher, South Bend, Ind.
J. & R. Lamb, 59 Carmine St., New York.
W. T. Mersereau & Co., Newark, N. J.
Palmer Mfg. Co., 290 Pearl St., New York.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wm. Wiler, 223 S. 5th St., Philadelphia, Pa.
Woods, Sherwood & Co., Lowell, Mass.

3129. BAROMETERS. Henry J. Green, 1191 Bedford Av., Brooklyn, N. Y.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Chas. J. Tagliabue, 51 Fulton St., New York.
G. Tagliabue, 302 Pearl St., New York.
Watertown Thermometer Co., Watertown, N. Y.
A. Weiskopf, 111 5th Av., Chicago, Ill.

	Chas. Wilder, Peterboro', N. H.
A. ANEROID BAROMETERS.	James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
	A. Weiskopf, 111 5th Av., Chicago, Ill.
B. COTTAGE BAROMETERS.	Ernest Goldbacher, 98 Fulton St., New York.
C. WEATHER PROGNOSTICATORS.	John Kendall & Co., New Lebanon, N. Y.

3130. BARROWS.

A. BAGGAGE BARROWS.	Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
	Buda Foundry & Mfg. Co., Buda, Ill. *169
	Buffalo Scale Co., Buffalo, N. Y.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Chicago, Ill.
	A. B. Farquhar & Co., York, Pa.
	Howe Scale Co. of 1886, Rutland, Vt.
	H. N. Hubbard, 96 Chambers St., New York.
	Kilbourne & Jacobs Mfg. Co., Columbus, O.
	Lafayette Car Works, Lafayette, Ind.
	Lansing Wheelbarrow Co., Lansing, Mich.
	Sharon Boiler Works, Sharon, Pa.
	Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
B. CANAL BARROWS.	Ames Plow Co., Quincy Hall, Boston, Mass.
	A. B. Farquhar & Co., York, Pa.
	Frey-Sheckler Co., Bucyrus, O. *162
	Kilbourne & Jacobs Mfg. Co., Columbus, O.
	C. & A. Potts & Co., Indianapolis, Ind.
C. COAL BARROWS.	Albany Agricultural & Machine Works, Albany, N. Y.
	Ames Plow Co., Quincy Hall, Boston, Mass.
	D. J. C. Arnold, New London, O.
	T. B. Bickerton & Co., 1631 N. 16th St., Philadelphia, Pa.
	Boyts, Porter & Co., Connellsville, Pa.
	F. H. Evans, 596 Kent Av., Brooklyn, N. Y.
	Grand Rapids Wheelbarrow Co., Grand Rapids, Mich.
	C. W. Hunt & Co., 11 Broadway, New York.
	Jackson Mfg. Co., Harrisburg, Pa.
	Lafayette Car Works, Lafayette, Ind.
	National Barrow & Truck Co., 82 Fulton St., New York.
	Alex. Pollock, 15 Cortlandt St., New York.
	S. L. Rockwell & Co., Jordan, N. Y.
	Sharon Boiler Works, Sharon, Pa.
	Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
D. COAL & COKE WAGONS.	F. H. Evans, 596 Kent Av., Brooklyn, N. Y.
	Jackson Mfg. Co., Harrisburg, Pa.
	G. L. Stuebner, Long Island City, N. Y.
E. FOUNDRY BARROWS.	Howard & Morse, 45 Fulton St., New York.
	S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
F. FURNACE CHARGING BARROWS.	National Barrow & Truck Co., 82 Fulton St., New York.
G. GARDEN BARROWS.	Ames Plow Co., Quincy Hall, Boston, Mass.
	Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
	A. B. Farquhar & Co., York, Pa.
	Grand Rapids Wheelbarrow Co., Grand Rapids, Mich.
	Iowa Farming Tool Co., Fort Madison, Iowa.
	S. L. Rockwell & Co., Jordan, N. Y.
	Union Mfg. Co., Toledo, O.
	Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
H. IRON BARROWS.	National Barrow & Truck Co., 82 Fulton St., New York.
	S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O. *54
	G. L. Stuebner, Long Island City, N. Y.
I. MORTAR BARROWS.	Grand Rapids Wheelbarrow Co., Grand Rapids, Mich.
	Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.
J. RAILROAD BARROWS.	Grand Rapids Wheelbarrow Co., Grand Rapids, Mich.
	Kilbourne & Jacobs Mfg. Co., Columbus, O.
	S. L. Rockwell & Co., Jordan, N. Y.
K. STEEL MINING BARROWS.	Jackson Mfg. Co., Harrisburg, Pa.
	Kilbourne & Jacobs Mfg. Co., Columbus, O.
	National Barrow & Truck Co., 82 Fulton St., New York.
L. STEEL TRAY BARROWS.	American Steel Scraper Co., Sidney, O.
M. STEEL WHEELBARROWS.	Albany Agricultural & Mach. Works, Albany, N. Y.
	J. W. Fiske, 26 Park Place, New York.
	Jackson Mfg. Co., Harrisburg, Pa.
	Lansing Wheelbarrow Co., Lansing, Mich.
N. STONE BARROWS.	Kilbourne & Jacobs Mfg. Co., Columbus, O.
	S. L. Rockwell & Co., Jordan, N. Y.
O. THREE WHEEL BARROWS.	Ames Plow Co., Quincy Hall, Boston, Mass.
P. TILE BARROWS.	D. J. C. Arnold, New London, O.
Q. TUBULAR BARROWS.	Kilbourne & Jacobs Mfg. Co., Columbus, O.

R. WHEELBARROWS.
Albany Agricultural & Mach. Works, Albany, N. Y.
D. J. C. Arnold, New London, O.
Benicia Agricultural Works, Benicia, Cal.
Blount & Bell, East Point, Ga.
Bodley Wagon Co., Wheeling, W. Va.
John Broderick & Co., Louisville, Ky.
Bryan Mfg. Co., Bryan, O.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
Derby & Ball, Bellows Falls, Vt.
J. A. Dubuar Mfg. Co., Northville, Mich.
Grand Rapids Wheelbarrow Co., Grand Rapids, Mich.
Hagerstown Iron Works, Hagerstown, Md.
James L. Haven Co., 56 Plum St., Cincinnati, O.
Howard & Morse, 45 Fulton St., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lang & Bro., Farmington, Mo.
Lansing Wheelbarrow Co., Lansing, Mich.
C. & A. Potts & Co., Indianapolis, Ind.
Pugsley & Chapman, 8 Liberty St., New York.
C. W. Raymond & Co., Dayton, O.
Jacob Strayer & Co., South Bend, Ind.
George W. Thomas & Co., Toledo, O.
Tricycle Mfg. Co., Springfield, O.
E. W. Walker & Co., Goshen, Ind.

S. WOOD BARROWS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

3131. BARROW WHEELS.
D. J. C. Arnold, New London, O.
Dickson Mfg. Co., Scranton, Pa.
H. N. Hubbard, 96 Chambers St., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Merrill Bros., 465 Kent Av., Brooklyn, N. Y.
Niles & Scott Co., La Porte, Ind.

3132. BASKETS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Christian Blohm, 225 William St., New York.
Briggs Mfg. Co., Edgerton, O.
B. C. Brown & Co., Bellevile, O.
Jacob C. Cassell, 2341 N. 7th St., Philadelphia, Pa.
C. Fischer & Sons, 729 Girard Av., Philadelphia, Pa.
Freeman & Loomis Basket Co., Syracuse, N. Y.
C. Goebert & Son, 108 N. 2d St., Philadelphia, Pa.
Heath, Morris & Co., New Albany, Ind.
Heinold Bros., 15 Market St., Chicago, Ill.
Heywood Bros. & Co., 195 Canal St., New York.
Edward Jansen, 124 W. 19th St., New York.
John W. Lauterbach, 121 Chambers St., New York.
Abraham Leipzig, 426 Broome St., New York.
A. Meinecke & Son, Milwaukee, Wis.
Chas. Menke, 67 Av. B., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Z. W. Townsend, W. Richfield, O.
Union Rattan Mfg. Co., 125 Chambers St., New York.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.
Woods, Sherwood & Co., Lowell, Mass.
Wyman Bros. & Co., Berea, O.

A. CLOTHES BASKETS.
Heath, Morris & Co., New Albany, Ind.
John W. Lauterbach, 121 Chambers St., New York.
Abraham Leipzig, 426 Broome St., New York.
A. Meinecke & Son, Milwaukee, Wis.

B. FANCY BASKETS.
Edward Jansen, 124 W. 19th St., New York.

C. FRUIT BASKETS.
Anderson-Tully Co., Benton Harbor, Mich.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Heath, Morris & Co., New Albany, Ind.
Edward Jansen, 124 W. 19th St., New York.

D. HANGING BASKETS.
Jacob C. Cassell, 709 Arch St., Philadelphia, Pa.
Gilbert & Bennet Mfg. Co., Georgetown, Conn.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.

E. LUNCH BASKETS.
Abraham Leipzig, 426 Broome St., New York.

F. MARKET BASKETS.
Heath, Morris & Co., New Albany, Ind.
John W. Lauterbach, 121 Chambers St., New York.

G. OAK STAVE BASKETS.
Z. W. Townsend, W. Richfield, O.
Wyman Bros. & Co., Berea, O.

H. PERFUMERY BASKETS.
Edward Jansen, 124 W. 19th St., New York.

I. RATTAN BASKETS.
B. C. Brown & Co., Belleville, O.
Heywood Bros. & Co., Gardner, Mass.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

J. SPLINT BASKETS.
Anderson-Tully Co., Benton Harbor, Mich.

K. WASTE PAPER BASKETS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
W. S. Estey, 71 Fulton St., New York.
Heywood Bros. & Co., Gardner, Mass.

L. WILLOW BASKETS.
Freeman & Loomis Basket Co., Syracuse, N. Y.
Heath, Morris & Co., New Albany, Ind.

M. WIRE BASKETS.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Woods, Sherwood & Co., Lowell, Mass.

N. WORK BASKETS.
Heinold Bros., 15 Market St., Chicago, Ill.
Heywood Bros. & Co., Gardner, Mass.

3133. BAYONETS.
Ames Sword Co., Chicopee, Mass.

3134. BED WARMERS.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.

3135. BELAYING PINS.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
J. A. Dubuar Mfg. Co., Northville, Mich.
Chas. N. Hicks, 175 Lewis St., New York.
Thos. Laughlin & Son, Portland, Me.

3136. BILLIARD TABLE COVERS.
Brunswick-Balke-Collender Co., 860 Broadway, New York.
Goodyear Rubber Co., 487 Broadway, New York.

3137. BINNACLES.
R. Merrill's Sons, 110 Wall St., New York.

3138. BIRD CAGE SPECIALTIES.
Buhl Stamping Co., Detroit, Mich.
Andrew B. Hendryx Co., New Haven, Conn.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Wallace & Sons, Ansonia, Conn.

3139. BIRD FOOD.
J. P. Dieter, Chillicothe, O.
F. E. McAllister, 22 Dey St., New York.
F. C. Sturtevant, Hartford, Conn.

3140. BIRD HOUSES.
John Savery's Son & Co., 97 Beekman St., New York.

3141. BLUING.

A. DRY BLUING.
S. Adler's Sons, Maiden Lane & Pearl St., New York.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
D. F. Tiemann & Co., 16 Murray St., New York.

B. LAUNDRY BLUING.
S. Adler's Sons, Maiden Lane & Pearl St., New York.
H. A. Bartlett & Co., 115 N. Front St., Philadelphia, Pa.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
A. Davis, Cropseyville, N. Y.
Donnell Mfg. Co., 105 S. 7th St., St. Louis, Mo.
Frank Finch, Clyde, N. Y.
Handy Package Dye Co., Adams Centre, N. Y.
C. A. Hart, Troy, N. Y.
Heller & Merz Co., 55 Maiden Lane, New York.
Geo. Leis, Lawrence, Kan.
Frank Miller & Sons, 349 W. 26th St., New York. *17
Geo. A. Moss, 165 Reade St., New York.
Oriental Mfg. Co., 9 Strawberry St., Philadelphia, Pa.
Sawyer Crystal Blue Co., 27 Broad St., Boston, Mass.
Spencer Bluing Paddle Co., 132 W. Lake St., Chicago, Ill.
L. H. Thomas & Co., Chicago, Ill.
D. F. Tiemann & Co., 16 Murray St., New York.
F. A. Woodmansee, Room 67, Johnston Building, Cincinnati, O.
Woolson Spice Co., Toledo, O.

C. LIQUID BLUING.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
C. A. Hart, Troy, N. Y.
Sawyer Crystal Blue Co., 27 Broad St., Boston, Mass.

D. SHEET BLUING.
Carter, Dinsmore & Co., 172 Columbus Av., Boston, Mass.
Harrison Mfg. Co., Rahway, N. J.
Longman & Martinez, 207 Pearl St., New York.

3142. BOAT FITTINGS.
W. R. Baker Mfg. Co., 26 Newell St., Watertown, N. Y.
Detroit Boat Works, Detroit, Mich.
Thos. Laughlin & Son, Portland, Me.
J. H. Rushton, Canton, N. Y.
Shook-Anderson Mfg. Co., Pittsburgh, Pa.

3143. BOAT & SAIL COVERS.
John F. McHugh, 1263 Broadway, New York.
A. J. Tower, 18 Simmons St., Boston, Mass.

3144. BOMB LANCES.
Eben Pierce, New Bedford, Mass.

3145. BONE GOODS.
A. F. Bannister & Co., Newark, N. J.
C. J. Bates, Chester, Conn.
Rogers & Hubbard Co., Middletown, Conn.

3146. BOOT JACKS.
Buffalo Last Works, Buffalo, N. Y. *248
Chalfant Mfg. Co., Atglen, Pa.
Knapp & Cowles Mfg. Co., Bridgeport, Conn.
Nicol & Co., 21 River St., Chicago, Ill.
Ripley Mfg. Co., Unionville, Conn.
Star Heel Plate Co., Newark, N. J.

Union Mfg. Co., Toledo, O.

3147. BOOT & SHOE TREES.

Ball, Dayton & Co., Albany, N. Y.
Buffalo Last Works, Buffalo, N. Y. *248
Marcus Hanan, 65 Park St., New York.
R. S. McNeill, 38 Gold St., New York.
O. A. Miller, Brockton, Mass. *60
G. J. Olden, 70 Warren St., New York.
C. A. Sumner, Milford, Mass.

3148. BOTTLE STOPPERS.

Ætna Stopper Co., Pawtucket, R. I.
Cincinnati Cork Co., 116 W. 2d St., Cincinnati, O.
Hero Fruit Jar Co., Gaul & Adams Sts., Philadelphia, Pa.
Carl Hutter, 34 Reade St., New York.
Manning, Bowman & Co., Meriden, Conn.
Perfection Bottle Stopper Co., 315 Wabash Av., Chicago, Ill.
Henry W. Putnam, 108 Chambers St., New York.
Traut & Hine Mfg. Co., New Britain, Conn.
A. H. Wirz, 917 Cherry St., Philadelphia, Pa.

3149. BRITANNIA WARE.

J. A. Babcock & Co., 71 John St., New York.
L. Boardman & Son, E. Haddam, Conn.
Homan & Co., 10 E. 7th St., Cincinnati, O.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Manhattan Silver Plate Co., Lyons, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.
Middletown Plate Co., Middletown, Conn.
G. I. Mix & Co., Yalesville, Conn.
Simpson, Hall, Miller & Co., Wallingford, Conn.

3150. BUCKETS & PAILS.

A. CEDAR PAILS.
Richmond Cedar Works, Ltd., Richmond, Va.

B. DECK & YACHT BUCKETS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.
Union Mfg. Co., Toledo, O.

C. FACTORY BUCKETS.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
St. Louis Stamping Co., St. Louis, Mo.

D. FIRE BUCKETS, GALVANIZED.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Sidney Shepard & Co., Buffalo, N. Y.
United States Supply Co., Ltd., 51 John St., New York.

E. FIRE BUCKETS, PAPER.
Jennings Bros., Fairfield, Conn.
Syracuse Fibre Ware Co., Syracuse, N. Y.

F. FIRE BUCKETS, RUBBER.
Goodyear Rubber Co., 487 Broadway, New York.
Gutta Percha & Rubber Mfg. Co., 35 Warren St., New York.
Hodgman Rubber Co., 459 Broadway, New York.

G. HORSE PAILS.
Richmond Cedar Works, Ltd., Richmond, Va.
Union Mfg. Co., Toledo, O.

H. MORTAR PAILS.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.

I. PINE PAILS.
Beaver Mills, Keene, N. H.

J. SAP BUCKETS.
Chas. Millar & Son, Utica, N. Y.
C. C. Post, Burlington, Vt.
Record Mfg. Co., Conneaut, O.

K. WELL BUCKETS.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Richmond Cedar Works, Ltd., Richmond, Va.
Standard Stave & Cooperage Co., 160 State St., Boston, Mass.

L. WOOD PAILS.
Crandall & Godley, 157 Franklin St., New York.
Menasha Wooden Ware Co., Menasha, Wis.

3151. BULLETIN & GROCERS' BOARDS.

Nicol & Co., 21 River St., Chicago, Ill.

3152. BUNGS.

Armstrong, Bro. & Co., Pittsburgh, Pa.
Hugo Cahn & Co., 67 Murray St., New York.
Greene Cork Mfg. Co., Pittsburgh, Pa.
Stephen Kampf, Albany, N. Y.
Horatio Kelsey, Clinton, Conn.
John Robinson & Co., 45 Murray St., New York.
Standard Turning Works, Cambridgeport, Mass.
Valentine Uhrig, Louisville, Ky.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.
Henry Waas, San Francisco, Cal.

3153. BUOYS, MARINE.

Phœnix Iron Co., Trenton, N. J.

3154. BUREAU SCARFS.

Robt. Lewis, Somerset & Hancock Sts., Philadelphia, Pa.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.

3155. BUTTONHOLE CUTTERS.

Adams Laundry Machinery Co., Plantsville, Conn.
Ellrich Hardware Co., Plantsville, Conn.
John W. Lufkin, 38 Chardon St., Boston, Mass.

Sewing Machine Supplies Co., 105 Summer St., Boston, Mass.
Singer Mfg. Co., 385 Broadway, New York. *214

3156. BUTTONS.

A. BRASS BUTTONS.
Boston Button Co., Congress & A Sts., Boston, Mass.
Cheshire Mfg. Co., Cheshire, Conn.
Lane Mfg. Co., Waterbury, Conn.
New York Button Works, 254 Canal St. New York.
Platt Bros. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

B. BUTTON BACKS.
Luther C. White, Waterbury, Conn.

C. BUTTON EYES.
American Pin Co., Waterbury, Conn.
Lane Mfg. Co., Waterbury, Conn.
A. Phelps, Newark, N. J.

D. BUTTON MOULDS.
Atwood, Crawford & Co., Pawtucket, R. I.
Hill Bros. & Co., Williamsburg, Mass.

E. CLOTH BUTTONS.
Boston Button Co., Congress & A Sts., Boston, Mass.
Lane Mfg. Co., Waterbury, Conn.
New York Button Works, 254 Canal St., New York.
Scovill Mfg. Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

F. COMPOSITION BUTTONS.
Essex Button Works, Newark, N. J.
Waterbury Button Co., Waterbury, Conn.

G. COVERED BUTTONS.
Boston Button Co., Congress & A Sts., Boston, Mass.
City Button Works, 187 Mott St., New York.
Frank & Co., 438 Broome St., New York.
J. D. King & Bro., 981 N. 9th St., Philadelphia, Pa.
Lane Mfg. Co., Waterbury, Conn.
National Button Works, 1012 Diamond Sts., Philadelphia, Pa.
Newell Bros. Mfg. Co., Springfield, Mass.
New York Button Works, 254 Canal St., New York.
Selig & Kaufman, 137 N. 7th St., Philadelphia, Pa.
Standard Button Works, 103 N. J. R. R. Av., Newark, N. J.
Waterbury Button Co., Waterbury, Conn.

H. CROCHET BUTTONS.
Boston Button Co., Congress & A Sts., Boston, Mass.
City Button Works, 187 Mott St., New York.

I. DRESS & CLOAK BUTTONS.
R. B. Banister, Providence, R. I.
Boston Button Co., Congress & A Sts., Boston, Mass.
M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
A. S. Ellison & Co., 103 Greene St., New York.
Lane Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Standard Button Works, 103 N. J. R. R. Av., Newark, N. J.

J. ENGRAVED BUTTONS.
Lane Mfg. Co., Waterbury, Conn.
New York Button Works, 255 Canal St., New York.
Scovill Mfg. Co., Waterbury, Conn.

K. GLASS BUTTONS.
J. Kannofsky, 369 Canal St., New York.
Ornamental Glass Button Works, 275 Canal St., New York.
Leo Prang, 780 Madison St., Brooklyn, N. Y.

L. GLOVE BUTTONS.
Patent Button Co., Waterbury, Conn.

M. HAND SNAP BUTTONS.
Jos. P. Noyes & Co., Binghamton, N. Y.

N. HORN BUTTONS.
W. D. Earle & Co., Leominster, Mass.
E. N. Foote & Co., Northampton, Mass.
Milo Hildreth & Co., Northboro', Mass.

O. IVORY BUTTONS.
Eagle Button Works, 156 Driggs St., Brooklyn, N. Y.
Empire Ivory Button Works, 645 Broadway, New York.
Frank & Co., 438 Broome St., New York.
National Bonsilate Button Co., Albany, N. Y.
Pratt, Reed & Co., Deep River, Conn.
Scranton Button Co., Scranton, Pa.

P. JET BUTTONS.
J. A. Deknatel, 4 Howard St., New York.

Q. LASTING BUTTONS.
New York Button Works, 254 Canal St., New York.
Waterbury Button Co , Waterbury, Conn.

R. METAL BUTTONS.
R. B. Banister, Providence, R. I.
Boston Button Co., Congress & A Sts., Boston, Mass.
Bostwick Button Works, Bridgeport, Conn.
Cheshire Mfg. Co., Cheshire, Conn.
City Button Works, 187 Mott St , New York.
B. Conlan & Co., Newark, N. J.
E. Huebner & Sons, 338 Broadway, New York
Lane Mfg. Co., Waterbury, Conn.
Platt Bros. & Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

S. MILITARY BUTTONS.
S. A. French, 400 Broome St., New York.
Hoole Mfg. Co., 46 Bond St., New York.
Lane Mfg. Co., Waterbury, Conn.

New York Button Works, 254 Canal St., New York.
Scovill Mfg. Co., Waterbury, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

T. PEARL BUTTONS.
Chas. Blakeman, Newark, N. J.
Wm. Greaves, Newark, N. J.
Jacob Hoffman & Son, 217 New St., Philadelphia, Pa.
E. Huebner & Sons, Newark, N. J.
E. O. Miles & Co., 58 N. 4th St., Philadelphia, Pa.
Nassau Pearl Button Works, Newark, N. J.
Newell Bros. Mfg. Co., Springfield, Mass.
Fred'k C. Schoen, 2600 N. 6th St., Philadelphia, Pa.
H. Smith, 23 Hackett St., Newark, N. J.
Union Pearl Works, 76½ Elm St., New York.
Thomas A. Webb & Bro., Newark, N. J.

U. RUBBER BUTTONS.
C. Hingher & Son, New Brunswick, N. J.
India Rubber Comb Co., 9 Mercer St., New York.
Patent Button Co., Waterbury, Conn.

V. SELF-AFFIXING BUTTONS.
Scovill Mfg. Co., Waterbury, Conn.

W. SHELL BUTTONS.
Milo Hildreth & Co., Northboro', Mass.

X. SILVER BUTTONS.
Lane Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.

Y. TIN FACED BUTTONS.
Hill Bros. & Co., Williamsburg, Mass.
Lane Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.

Z. TROUSERS BUTTONS.
Lane Mfg. Co., Waterbury, Conn.
Patent Button Co., Waterbury, Conn.
Platt Bros. & Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.

AA. TROUSERS BUTTONS, PATENT.
Hill Bros. & Co., Williamsburg, Mass.
Lane Mfg. Co., Waterbury, Conn.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
Platt Bros. & Co., Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.

BB. WOOD BUTTONS.
J. C. Greenleaf Mfg. Co., Greenleaf, Mass.

3157. BUTTON FASTENERS.
Alsdorf & Holmes, 12 Academy St., Newark, N. J.
American Button Fastener Co., New Britain, Conn.
American Pin Co., Waterbury, Conn.
Hartford Specialty Mfg. Co., Hartford, Conn.
Heaton Peninsular Button Fastener Co., Providence, R. I.
Hosmer, Codding & Co., 133 Federal St., Boston, Mass.
Peninsular Novelty Co., 88 Lincoln St., Boston, Mass.
Trojan Button Fastener Co., Troy, N. Y.
Union Eyelet Co., Providence, R. I.

3158. CACHOUS.
Henry Thayer & Co., Cambridgeport, Mass.

3159. CALF WEANERS.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Landers, Frary & Clark, New Britain, Conn.

3160. CANDY & CONFECTIONERY.
American Biscuit Co., 412 Ins. Exc. Bldg, Chicago, Ill.
Chas. S. Baker & Co., 40 Dearborn St., Chicago, Ill. *64
J. H. Barker & Co.. 328 Cherry St., New York.
Blanke & Bro. Candy Co., 608 Market St., St. Louis, Mo.
Frank E. Block, Atlanta, Ga.
A. H. Brummell, 410 Grand St., New York.
Frank Bunte & Co., 129 La Salle St., Chicago, Ill.
Bunte Bros. & Spoehr, 139 W. Monroe St., Chicago, Ill.
Candy Bros., 707 Olive St., St. Louis, Mo.
Caswell, Massey & Co., 1121 Broadway, New York.
Chase & Co., 347 Congress St., Boston, Mass.
J. C. H. Clauson & Co., Charleston, S. C.
Croft & Allen, S. 33d St., Philadelphia, Pa.
Darby Mfg. Co., Baltimore, Md.
W. F. Day & Bro., Newark, N. J.
Dryden & Palmer, 19 Hudson St., New York.
P. Echert Co., 121 W. Court St., Cincinnati, O.
Flohr & Walter Candy Co., St. Louis, Mo.
Fobes, Hayward & Co., 45 Chardon St., Boston, Mass.
Fry Bros., 494 Grand St., New York.
Goodwin Bros., 105 N. Front St., Philadelphia, Pa.
W. A. Grade & Co., San Francisco, Cal.
Green & Blackwell, 167 Duane St., New York.
E. Greenfield's Son & Co., 44 Barclay St., New York.
Grubb's Cracker & Candy Co., Nashville, Tenn.
Harrah & Co., Rochester, N. Y.
G. Helmstetter, 505 Broome St.. New York.

E. J. Hoadley, Hartford, Conn.
P. Huber & Co., 319 Main St., Cincinnati, O.
Huber-Holman Co., Lancaster, Pa.
J. S. Huyler, 64 Irving Place, New York.
George W. Jenkins, 126 Market St., Philadelphia, Pa.
A. Jewell, 262 Grand St., New York.
Johnson & Stokes, 217 Market St., Philadelphia, Pa.
Kibbe Bros. & Co., Springfield, Mass.
John Kranz, 74 Randolph St., Chicago, Ill.
Wm. Lang & Son, 207 Bainbridge St., Philadelphia, Pa.
Walter M. Lowney Co., 97 Pearl St., Boston, Mass.
J. C. McCook & Co., 517 Lombard St., Philadelphia, Pa.
MacAndrews & Forbes, 55 Water St., New York.
Henry Maillard, 1097 Broadway, New York.
J. J. Matchett & Co., 43 Cortlandt St., New York.
Mauer Confectionery Co., Erie, Pa.
Meridian Candy Mfg. Co., Meridian, Miss.
C. H. Miller, New Orleans, La.
George Miller & Son, 255 S. 3d St., Philadelphia, Pa.
W. A. Mount & Co., Kansas City, Mo.
John C. Neemes & Co., 34 Michigan Av., Chicago, Ill.
Ode & Gerbereux, 131 S. 5th Av., New York.
Paris-Murton Co., Minneapolis, Minn
W. F. Parker, 1937 Market St., Philadelphia, Pa.
O. H. Peckham Candy Mfg. Co., 7th & Spruce Sts., St. Louis, Mo.
Peters Co., Memphis, Tenn.
Alex. M. Powell, 152 Chambers St., New York.
Powell, Saxe & Powell, Troy, N. Y.
Reinhart & Newton, 84 W. 2d St., Cincinnati, O.
Ridley & Co., Chambers & Hudsons Sts., New York.
Roddewig-Schmidt Cracker Co., Davenport, Iowa.
M. Shields & Co., 43 State St., Chicago, Ill.
Sibley & Holmwood, Buffalo, N. Y.
A. Slauson & Co., 32 Dey St., New York.
H. D. Smith & Co., 56 Main St., Cincinnati, O.
Snyder, Chaffee & Co., Columbus, O.
Sommer, Richardson & Co., St. Joseph, Mo.
W. S. Townsend, San Francisco, Cal.
Wallace & Co., 31 Cortlandt St., New York.
Stephen F. Whitman & Son, 606 Cherry St., Philadelphia, Pa.
P. C. Wiest & Co., York, Pa.
H. O. Wilbur & Sons, 235 N. 3d St., Philadelphia, Pa.
Woodard & Stone, Watertown, Wis.
Wright & Moody, 161 Columbus Av., Boston, Mass.
Ph. Wunderle, 132 Pegg St., Philadelphia, Pa.

A. POP CORN.
Samuel C. Eaton, Lowell, Mass.
Goodwin Bros., 105 N. Front St., Philadelphia, Pa.
Johnson & Stokes, 2501 American St., Philadelphia, Pa.

3161. CANDY TONGS.
Woods, Sherwood & Co., Lowell, Mass.

3162. CANES.
J. F. Bradley, 23 John St., New York.
A. Cox's Sons, 25 Maiden Lane, New York.
Wm. Demuth & Co., 507 Broadway, New York.
J. Fox & Son, 167 Main St., Cincinnati, O.
Goodridge Umbrella Co., Cleveland, O.
Wm. Harvey & Co., 60 N. 2d St., Philadelphia, Pa.
Hearn & Braitsch, Providence, R. I.
F. J. Kaldenburg, 213 E. 33d St., New York.
C. Lingemann & Co., Detroit, Mich.
F. P. Locklin & Bro., 202 Broadway, New York.
Rose Bros. & Hartman, Lancaster, Pa.
Herman Schumann & Co., 334 Canal St., New York.
Simons, Bro. & Co., 618 Chestnut St., Philadelphia, Pa.
Isaac Smith's Son & Co., 928 Broadway, New York.
L. Winckler, 142 Fulton St., New York.
Wright Bros. & Co., 324 Market St., Philadelphia, Pa.

3163. CANOE BEDS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.

3164. CARBOY TRUNNIONS.
S. Twitchell & Bro., 223 Vine St., Philadelphia, Pa.

3165. CARBURETTERS.
Rockingham Machine Co., Exeter, N. H. *52

3166. CARD CASES.

A. LEATHER CARD CASES.
American Morocco Case Co., 9 Bond St., New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.
Western Leather Mfg. Co., 157 5th Av., Chicago, Ill.

B. SILVER CARD CASES.
Gorham Mfg. Co., Providence, R. I.
Meriden Britannia Co., Meriden, Conn.
Tiffany & Co., 15 Union Square, New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.

3167. CARD RECEIVERS.	H. L. Judd & Co., 87 Chambers St., New York.	
	J. F. Kitchell Mfg. Co., Newark, N. J.	
A. SILVER CARD RECEIVERS.	Gorham Mfg. Co., Providence, R. I.	
	Meriden Britannia Co., Meriden, Conn.	
	Tiffany & Co., 15 Union Square, New York.	
	Wilcox Silver Plate Co., Meriden, Conn.	
B. WIRE CARD RECEIVERS.	Palmer Mfg. Co., 290 Pearl St., New York.	
3168. CASH BOXES, TIN.	Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.	
	Miller Lock Co., Frankford, Philadelphia, Pa.	
	Sidney Shepard & Co., Buffalo, N. Y.	
	Geo. D. Winchell Mfg. Co., Bank & Riddle Sts., Cincinnati, O.	
A. KEYLESS CASH BOXES.	Miller Lock Co., Frankford, Philadelphia, Pa.	
3169. CATTLE LEADERS.	Covert Mfg. Co., W. Troy, N. Y.	*17
	E. S. Hotchkiss, Bridgeport, Conn.	
	Humason & Beckley Mfg. Co., New Britain, Conn.	
3170. CATTLE TIES.	Covert Mfg. Co., W. Troy, N. Y.	*17
	Gem Hammock & Fly Net Co., Milwaukee, Wis.	
	E. C. Newton, Batavia, Ill.	
	Oneida Community, Ltd., Community, N. Y.	
	John C. Schmidt & Co., York, Pa.	
	Stanley Rule & Level Co., 29 Chambers St., New York.	
	Tower & Lyon, 95 Chambers St., New York.	
3171. CATTLE WASH.	D. A. Stuart & Co., 8 State St., Chicago, Ill.	
A. SHEEP DIP.	Carbolic Soap Co., 230 Pearl St., New York.	
	W. H. H. Childs, 73 Maiden Lane, New York.	
	Fernoline Chemical Co., 18 Broadway, New York.	
	Benjamin Hammond, Fishkill-on-Hudson, N. Y.	
	Jack Rabbit Sheep Dip Co., Fort Worth, Tex.	
	Louisville Spirit Cured Tobacco Co., Louisville, Ky.	
	Mica Roofing Co., 73 Maiden Lane, New York.	
	D. A. Stuart & Co., 8 State St., Chicago, Ill.	
3172. CELLULOID.	Celluloid Co., Newark, N. J.	*252
A. CELLULOID GOODS.	Celluloid Co., Newark, N. J.	*252
	C. N. Lockwood & Co., Newark, N. J.	
	Maine Red Granite Co., Red Beach, Me.	
	New England Brown Stone Co., Cromwell, Conn.	
	Rubber & Celluloid Harness Trimming Co., Newark, N. J.	
3173. CHALK.	T. S. Carroll, Winsted, Conn.	
	H. H. Harvey, 116 High St., Boston, Mass.	
	Schulenburg Mfg. Co., Detroit, Mich.	
3174. CHAMPAGNE TAPS.	Haydenville Mfg. Co., 73 Beekman St., New York.	
	Landers, Frary & Clark, New Britain, Conn.	
	Peck Bros. & Co., New Haven, Conn.	
3175. CHECKS.		
A. BAGGAGE CHECKS, METAL.	American Railway Supply Co., 24 Park Place, New York.	
	Brass Goods Mfg. Co., 88 Chambers St., New York.	
	Hoggson & Pettis Mfg. Co., New Haven, Conn.	
	New York Stencil Works, 100 Nassau St., New York.	
	John Robbins Mfg. Co., 144 Harrison Av., Boston, Mass.	
	W. W. Wilcox, Chicago, Ill.	
B. BAGGAGE CHECKS, PAPER & CLOTH.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.	
C. BRASS CHECKS.	American Railway Supply Co., 24 Park Place, New York.	
	Brass Goods Mfg. Co., 88 Chambers St., New York.	
	Hoggson & Pettis Mfg. Co., New Haven, Conn.	
	Holmes, Booth & Haydens, Waterbury, Conn.	*100 & 221
	Plume & Atwood Mfg. Co., Waterbury, Conn.	
	Scovill Mfg. Co., Waterbury, Conn.	
	Arthur Stafford, 35 Beekman St., New York.	
	Wallace & Sons, Ansonia, Conn.	
	Waterbury Brass Co., Waterbury, Conn.	
D. CASH SALE CHECKS.	Edward McKenna, 361 Broadway, New York.	
E. DOG TAGS.	Wm. H. Howard, Dayton, O.	
F. GARMENT CHECKS.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.	
G. GERMAN SILVER CHECKS.	Wm. H. Howard, Dayton, O.	
H. HOTEL KEY CHECKS.	Brass Goods Mfg. Co., 88 Chambers St., New York.	
	J. F. W. Dorman, Baltimore, Md.	
	Wm. H. Howard, Dayton, O.	
	Arthur Stafford, 35 Beekman St., New York.	
I. METAL CHECKS.	American Railway Supply Co., 24 Park Place, New York.	
	John Robbins Mfg. Co., 144 Harrison Av., Boston, Mass.	
J. RESTAURANT CHECKS.	American Railway Supply Co., 24 Park Place, New York.	
	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.	
K. RUBBER CHECKS.	American Railway Supply Co., 24 Park Place, New York.	
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.	
L. SODA CHECKS.	Celluloid Co., Newark, N. J.	*252

M. TIME CHECKS.
American Railway Supply Co., 24 Park Place, New York.
John Robbins Mfg. Co., 144 Harrison Av., Boston, Mass.

3176. CHEMICAL APPARATUS.
Eimer & Amend, 205 3d Av., New York.
Emil Greiner, 146 William St., New York.
Herman Kohlbusch, 59 Nassau St., New York.

3177. CHEWING GUM.
Adams & Sons, 150 Sands St., Brooklyn, N. Y.
Geo. H. Berry & Co., 114 N. Main St., St. Louis, Mo.
Solomon Coleman, Memphis, Tenn.
Colgan & McAfee, Louisville, Ky.
J. T. Crecilius & Co., Louisville, Ky.
Curtis & Son, Portland, Me.
Danheiser Bros. & Co., 49 Franklin St., Chicago, Ill.
Hance Bros. & White, Callowhill & Marshall Sts., Phila., Pa.
C. T. Heisel, Cleveland, O.
H. D. Smith & Co., 56 Main St., Cincinnati, O.
St. Louis Chewing Gum Factory, 114 N. Main St., St. Louis, Mo.
Valentine & Co., Nashville, Tenn.
W. J. White, Cleveland, O.

A. SPRUCE GUM.
Curtis & Son, Portland, Me.
Voller Mfg. Co., Elgin, Ill.

3178. CHRISTMAS TREE ORNAMENTS.
Bernard Meyer, 151 Chambers St., New York.

3179. CHURCH BRASS PLATE.
Gorham Mfg. Co., Providence, R. I.
J. & R. Lamb, 59 Carmine St., New York.

3180. CHURCH EMBROIDERIES & VESTMENTS.
Benziger Bros., 36 Barclay St., New York.
Cox Sons, Buckley & Co., 343 5th Av., New York.
J. & R. Lamb, 59 Carmine St., New York.

3181. CLASPS.
Allender & Knous, Greystone, Conn.
Canfield Rubber Co., Bridgeport, Conn.
Frank & Gutman, 156 W. Broadway, New York.
Lane Mfg. Co., Waterbury, Conn.
Judson L. Thompson Mfg. Co., Waltham, Mass.

A. BELT CLASPS.
Novelty Mfg. Co., Waterbury, Conn.
Waterbury Buckle Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

B. GARMENT CLASPS.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Judson L. Thompson Mfg. Co., Waltham, Mass.

3182. CLAY MODELS, ARCHITECTURAL.
Henry Beyer Sons, 101 4th Av., New York.
J. & J. Morrison, 235 E. 42d St., New York.
H. Sinclair's Sons, 327 7th Av., New York.

3183. CLOTHES LINE REELS. Ossawan Mills Co., Norwich, Conn. *65

3184. CLOTHES LINE TIES. Ossawan Mills Co., Norwich, Conn. *65

3185. COMPASSES.

A. BOAT COMPASSES.
T. H. McAllister, 49 Nassau St., New York.

B. POCKET COMPASSES.
W. & L. E. Gurley, Troy, N. Y.
T. H. McAllister, 49 Nassau St., New York.
Young & Sons, 43 N. 7th St., Philadelphia, Pa.

C. SHIP'S COMPASSES.
R. Merrill's Sons, 110 Wall St., New York.

D. SOLAR COMPASSES.
W. & L. E. Gurley, Troy, N. Y.
Young & Sons, 43 N. 7th St., Philadelphia, Pa.

E. SPIRIT COMPASSES.
R. Merrill's Sons, 110 Wall St., New York.

F. SURVEYOR'S COMPASSES.
W. & L. E. Gurley, Troy, N. Y.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Young & Sons, 43 N. 7th St., Philadelphia, Pa.

G. TELL TALE COMPASSES.
R. Merrill's Sons, 110 Wall St., New York.

H. VERNIER COMPASSES.
W. & L. E. Gurley, Troy, N. Y.

3186. COPPER BRUSH TRIMMERS.
Ossawan Mills Co., Norwich, Conn. *65

3187. COPPER DEPOSITS. Armington Art Metal Co., East Providence, R. I.

3188. CORK.

A. BOTTLE CORKS.
Albany Cork Works, Albany, N. Y.
Armstrong, Bro. & Co., Pittsburgh, Pa.
Arnold & Co., Lancaster, Pa.
Barnes & Co., Baltimore, Md.
Hugo Cahn & Co., 67 Murray St., New York.
Cincinnati Cork Co., Cincinnati, O.
Excelsior Cork Cutting Co., 78 Market St., Chicago, Ill.
Greene Cork Mfg. Co., Pittsburgh, Pa.
Paddock Mfg. Co., 21 Dodworth St., Brooklyn, N. Y.

Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
John Robinson & Co., 45 Murray St., New York.
Southern Cork Works, New Orleans, La.
Truslow & Co., 219 Pearl St., New York.

B. CORK SHAVINGS.
Hugo Cahn & Co., 67 Murray St., New York.
John Robinson & Co., 45 Murray St., New York.

C. CORK WASHERS.
Hugo Cahn & Co., 67 Murray St., New York.
John Robinson & Co., 45 Murray St., New York.
Truslow & Co., 219 Pearl St., New York.

D. GRANULATED CORK.
Hugo Cahn & Co , 67 Murray St., New York.
R. F. Goodwin, Norwich, Conn.
Greene Cork Mfg. Co., Pittsburgh, Pa.
Paddock Mfg. Co., 21 Dodworth St., Brooklyn, N. Y.
John Robinson & Co., 45 Murray St., New York.
Truslow & Co., 219 Pearl St., New York.

E. SPLIT CORK.
John Robinson & Co., 45 Murray St , New York.
Truslow & Co., 219 Pearl St., New York.

3189. CORK TOPS.
E. B. Estes & Sons, 254 Pearl St., New York.

3190. CRUCIFIXES.
J. & R. Lamb, 59 Carmine St., New York.
Gillam's Sons Co., 119 N. 4th St., Philadelphia, Pa.

3191. CYCLOMETERS.
McDonnell Odometer Co., 3501 Kedzie St., Chicago, Ill.
D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

3192. DECALCOMANIE.
Palm Bros. & Co , 114 Main St., Cincinnati, O.
Palm, Fechteler & Co., 45 La Salle St., Chicago, Ill.

3193. DEEP SEA SOUNDING LEADS.
Alfred B. Sands & Son, 134 Beekman St., New York. *118

3194. DISPLAY HORSES.
Toledo Display Horse Co., Toledo, O.

3195. DIVING APPARATUS.
Conant Rubber Co., Hartford, Conn.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Andrew J. Morse & Son, 140 Congress St., Boston, Mass.
Schrader & Son, 32 Rose St., New York.

3196. DOOR & NAME PLATES.
W. Barnard & Co., 314 Olive St., St. Louis, Mo.
John Becker, 157 Pearl St., Boston, Mass.
Cæsar Bros., 11 Park Row, New York.
P. & F. Corbin, New Britain, Conn.
De-Oxidized Metal Co., Bridgeport, Conn.
J. F. W. Dorman, Baltimore, Md.
Eastwood Wire Mfg Co., Belleville, N. J.
Enterprise Mfg. Co., Akron, O.
Gong Bell Mfg. Co., East Hampden, Conn.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Wm. H. Howard, Dayton, O.
Post & Co., 217 W. 4th St., Cincinnati, O.
John Robbins Mfg. Co., 114 Harrison Av., Boston, Mass.
San Francisco Plating Works, San Francisco, Cal.
Arthur Stafford, 33 Beekman St., New York.
Union Porcelain Works, 300 Eckford St., Brooklyn, N. Y.
A. A. White & Co., Providence, R. I.

A. GLASS NAME PLATES.
J. R. Donnelly & Co., 303 Park Av., Brooklyn, N. Y.

3197. DOOR & WINDOW GUARDS.
S. S. Bent & Son, 111 Chambers St., New York.
Cheney & Hewlett. 201 Broadway, New York.
J. W. Fiske, 26 Park Place, New York.
J. H. Van Dorn, Cleveland, O.

3198. DOOR NUMBERS.
American Railway Supply Co., 24 Park Place, New York.
Hoggson & Pettis Mfg Co., New Haven, Conn.
John Robbins Mfg. Co., 114 Harrison Av., Boston, Mass.
San Francisco Plating Works, San Francisco, Cal.
R. H. Smith Mfg. Co., Springfield, Mass. *85

3199. DRAUGHTSMEN'S SUPPLIES.
Keuffel & Esser Co., 127 Fulton St., New York.
E. G Soltmann, 119 Fulton St., New York.
F. Weber & Co., 1125 Chestnut St., Philadelphia, Pa.

3200. DRAWING INSTRUMENTS.
A. S. Aloe & Co., 415 N. Broadway, St. Louis, Mo.
Theodore Alteneder & Sons, 355 N. 10th St., Philadelphia, Pa.
A. V. Benoit, 146 Fulton St., New York.
Darling, Brown & Sharpe, Providence, R. I.
W. & L. E. Gurley, Troy, N. Y.
F. Weber & Co., 1125 Chestnut St., Philadelphia, Pa.
G. S. Woolman, 116 Fulton St., New York.

3201. DRAWING TABLES.
Keuffel & Esser Co., 127 Fulton St., New York.

3202. DRESS TAPES.
Dreslyft Co., Portland, Me.

3203. DRUGGISTS' SPECIALTIES.
Chichester Chemical Co., 2317 Madison Square, Philadelphia, Pa.
C. H. Strong & Co., 185 Madison St., Chicago, Ill.
S. H. Wetmore Co., 242 Pearl St., New York.

A. POWDER DIVIDERS.
W. F. Dessau, 430 Randolph St., Chicago, Ill.

3204. EGG CASE FILLERS.
American Straw Board Co., 506 Pullman Bldg., Chicago, Ill.
J. G. Cherry, Cedar Rapids, Iowa.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Crume & Sefton Mfg. Co., Dayton, O.

3205. EGG TESTERS.
Petaluma Incubator Co., Petaluma, Cal.
Geo. H. Stahl, Quincy, Ill.
John H. Sunderman & Co., Quincy, Ill.

3206. EMBROIDERY HOOPS.
Globe Mfg. Co., Anderson, Ind.
Geo. Velsor & Son, 315 N. 2d St., Brooklyn, N. Y.

3207. ENGINEERING INSTRUMENTS.
Belcher Bros. & Co., Newark, N. J.
A. V. Benoit, 146 Fulton St., New York.
Buff & Berger, 9 Province Court, Boston, Mass.
Fauth & Co., Washington, D. C.
Wm. Gardam & Son, 98 John St., New York.
W. & L. E. Gurley, Troy, N. Y.
Heller & Brightly, Spring Garden St. & Ridge Av., Philadelphia, Pa.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
C. F. Richardson, Athol, Mass.
Schäffer & Budenberg, Brooklyn, N. Y.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.
Young & Sons, 43 N. 7th St., Philadelphia, Pa.

3208. FANS.
Allen Fan Co., E. Braintree, Mass.

A. ADVERTISING FANS.
Buker Publishing Co., Providence, R. I.

B. FLY FANS.
Bridgeport Brass Co., Bridgeport, Conn. *27

C. PALM LEAF FANS.
L. D. Hills, Amherst, Mass.

3209. FARMERS' BOILERS.
Cromwell Mfg. Co., Greencastle, Pa.
Highland Foundry Co., Boston Highlands, Mass.
F. & L. Kahn & Bros., Hamilton, O.
Lithgow Mfg. Co., Louisville, Ky. *56
Ewald Over, Indianapolis, Ind.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
John Savery's Son & Co., 97 Beekman St., New York.
Isaac A. Sheppard & Co., 4th St. & Montgomery Av., Phila., Pa.

A. FARMERS' CALDRONS.
Hoagland, Cummings & Co., Castile, N. Y.
Lithgow Mfg. Co., Louisville, Ky. *56
John Savery's Son & Co., 97 Beekman St., New York.
Wheeler Foundry Co., Worcester, Mass.

B. FEED STEAMERS.
Gorton Steamer Co., Ltd., 126 William St., New York.
McElroy & Armitage, Keokuk, Iowa.
Rice & Whitacre Mfg. Co., 47 S. Canal St., Chicago, Ill. *133
D. H. Roe & Co., 58 N. Clinton St., Chicago, Ill.

3210. FAUCETS.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

A. AIR VENTS.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
John Sommer's Son, Newark, N. J.

B. ALE & BEER FAUCETS, SELF-VENTING.
American Faucet & Bung Mfg. Co., 376 Walnut St., Cin., O.
Herman Strater & Sons, 70 Sudbury St., Boston, Mass.

C. ALE TAPS.
Peck Bros. & Co., New Haven, Conn.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.

D. BRASS FAUCETS.
Chambers & Ainslie, Newark, N. J.
Haines, Jones & Cadbury Co., 1136 Ridge Av., Philadelphia, Pa.
Landers, Frary & Clark, New Britain, Conn.
J. H. McLain Machine Co., Canton, O. *115
McNab & Harlin Mfg. Co., Paterson, N. J.
Peck Bros. & Co., New Haven, Conn.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

E. BUNG FAUCETS.
Landers, Frary & Clark, New Britain, Conn.
John Sommer's Son, Newark, N. J.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

F. CORK LINED FAUCETS.
John Sommer's Son, Newark, N. J.

G. LOCK FAUCETS.
Peck Bros. & Co., New Haven, Conn.
John Sommer's Son, Newark, N. J.

H. MEASURING FAUCETS.
Bradford Measure Co., Ltd., Bradford, Pa.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Philadelphia, Pa.
Lane Bros., Poughkeepsie, N. Y.

I. MOLASSES & OIL GATES.
Enterprise Mfg. Co. of Pa., N. 3d & Dauphin Sts., Philadelphia, Pa.
James L. Haven Co., 56 Plum St., Cincinnati, O.
Landers, Frary & Clark, New Britain, Conn.
Springfield Foundry Co., Springfield, Mass.
Taylor & Boggis Foundry Co., Cleveland, O.

J. SELF-CLOSING FAUCETS.
Landers, Frary & Clark, New Britain, Conn.

Peck Bros. & Co., New Haven, Conn.
H. A. Williams Mfg. Co., 332 Congress St., Boston, Mass. *52

K. WOODEN FAUCETS.

Boston & Lockport Blk Co., 162 Commercial St., Boston, Mass.
Burnside Mfg. Co., Burnside, Ky.
Keenan Bros. Mfg. Co., 200 Washington St., Chicago, Ill.
Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
John Sommer's Son, Newark, N. J.

3211. FERTILIZERS.

Acme Mfg. Co., Wilmington, N. C.
Allentown Mfg. Co., Allentown, Pa.
Allison & Addison, Richmond, Va.
American Guano Co., Americus, Ga.
Ashley Phosphate Co., Charleston, S. C.
Atlantic & Virginia Fertilizing Co., Richmond, Va.
Atlanta Guano Co., Atlanta, Ga.
H. J. Baker & Bro., 215 Pearl St., New York.
Baldwin Fertilizer Co., Savannah, Ga.
Bowker Fertilizer Co., Boston, Mass.
Bradley Fertilizer Co., North Weymouth, Mass.
P. S. Chappell & Son, Baltimore, Md.
Cleveland Dryer Co., Cleveland, O.
E. Frank Coe, 16 Burling Slip, New York.
Columbus Fertilizer Co., Columbus, Ga.
Commercial Guano Co., Savannah, Ga.
Co-operative Mfg. Co., Forsyth, Ga.
Coweta Fertilizer Co., Newnan, Ga.
Currie Fertilizer Co., Louisville, Ky.
Farmers' Fertilizer Co., Syracuse, N. Y.
Furman Farm Improvement Co., Atlanta, Ga.
Georgia Chemical Works, Augusta, Ga.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Hammond, Hull & Co., Savannah, Ga.
Imperial Fertilizer Co., Charleston, S. C.
Jarecki Fertilizer Co., Erie, Pa.
Lister's Agricultural Chemical Works, Newark, N. J.
Lorenz & Rittler, Baltimore, Md.
Maryland Fertilizing & Mfg. Co., Baltimore, Md.
Michigan Carbon Works, Detroit, Mich.
National Fertilizer Co., Bridgeport, Conn.
Navassa Guano Co., Wilmington, N. C.
W. C. Newport & Co., Willow Grove, Pa.
Orient Guano Mfg. Co., Orient, N. Y.
Patapsco Guano Co., Baltimore, Md.
Planters Fertilizer Mfg. Co., New Orleans, La.
Preston Fertilizer Co., Brooklyn, N. Y.
Rasin Fertilizer Co., Baltimore, Md.
Read Fertilizer Co., 88 Wall St., New York.
Rhode Island Agricultural Chemical Works, Pawtucket, R. I.
S. F. Royster & Co., Norfolk, Va.
Scott Fertilizer Co., Elkton, Md.
Somerset Fertilizing Co., Somerset, Pa.
Southern Cotton Oil Co,, Columbia, S. C.
Southern Phosphate Co., Atlanta, Ga.
Standard Guano & Chemical Mfg. Co., New Orleans, La.
Tate, Muller & Wittichen, Baltimore, Md.
Vaughn, Bonsall & Co., Salem, O.
Walton Guano Co., Social Circle, Ga.
Walton & Whann Co., Wilmington, Del.
Wando Phosphate Co., Charleston, S. C.
Wilcox & Gibbs Guano Co., Charleston, S. C.
Williams & Clark Fertilizer Co., 81 Fulton St., New York.
Zell Guano Co., Baltimore, Md.

A. AMMONIATED FERTILIZERS.

H. J. Baker & Bro., 215 Pearl St., New York.
Baldwin Fertilizer Co., Savannah, Ga.
Bradley Fertilizer Co., 27 Kilby St., Boston, Mass.
Clifton Chemical & Phosphate Co., Atlanta, Ga.
Georgia Chemical Works, Augusta, Ga.
Hammond, Hull & Co., Savannah, Ga.
Mead Phosphate Co., Charleston, S. C.
Michigan Carbon Works, foot of 1st St., Detroit, Mich.
Quinnipiac Co., 83 Fulton St., New York.
Read Fertilizer Co., 88 Wall St., New York.
Savannah Guano Co., Savannah, Ga.
Southern Phosphate Co., Atlanta, Ga.
Standard Guano & Chemical Mfg. Co., New Orleans, La.

B. FISH SCRAP FERTILIZER.

Excelsior Oil & Guano Co., Deep River, Conn.

C. PHOSPHATES.

Ashley Phosphate Co., Charleston, S. C.

Atlantic Phosphate Co., Charleston, S. C.
H. J. Baker & Bro., 215 Pearl St., New York.
Baldwin Fertilizer Co., Savannah, Ga.
Bradley Fertilizer Co., North Weymouth, Mass.
Etiwan Phosphate Co., Charleston, S. C.
Hammond, Hull & Co., Savannah, Ga.
Michigan Carbon Works, foot of 1st St., Detroit, Mich.
National Acid Co., New Orleans, La.
Nichols Chemical Co., 69 William St., New York.
Peruvian Phosphate Co., Tampa, Fla.
Read Fertilizer Co., 88 Wall St., New York.
Walton & Whann Co., Wilmington, Del.
Wando Phosphate Co., Charleston, S. C.
Wyllie & Gordon, Charleston, S. C.

D. POTATO & TOBACCO FERTILIZERS.
H. J. Baker & Co., 215 Pearl St., New York.
Geo. B. Forrester, 169 Front St., New York.
Read Fertilizer Co., 88 Wall St., New York.
Rogers & Hubbard Co., Middletown, Conn.

3212. FIRE APPARATUS.

Chicago Hose Reel Co., 101 Erie St., Chicago, Ill.

A. AUTOMATIC FIRE ALARMS.
National Automatic Fire Alarm Co., 317 Broadway, New York.
Neracher Sprinkler Co., Warren, O. *100
Providence Steam & Gas Pipe Co., Providence, R. I.
Thermostatic Fire Alarm Co., 338 Broadway, New York.
E. A. Williams & Son, 107 Plymouth St., Jersey City, N. J.

B. AUTOMATIC FIRE ALARM & EXTINGUISHER.
Neracher Sprinkler Co., Warren, O. *100
Providence Steam & Gas Pipe Co., Providence, R. I.

C. AUTOMATIC FIRE EXTINGUISHERS.
Neracher Sprinkler Co., Warren, O. *100
Providence Steam & Gas Pipe Co., Providence, R. I.

D. AUTOMATIC SPRINKLERS.
Neracher Sprinkler Co., Warren, O. *100
Providence Steam & Gas Pipe Co., Providence, R. I.
Walworth Mfg. Co., 16 Oliver St., Boston, Mass.

E. CHEMICAL FIRE ENGINES.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
Harden Hand Grenade Fire Ext.Co., 51 Dearborn St., Chicago, Ill.
Marinette Iron Works Co., Marinette, Wis.
Muskegon Chemical Fire Engine Co., Muskegon, Mich.
W. K. Platt & Co., 36 S. 4th St., Philadelphia, Pa.

F. FIRE EXTINGUISHERS
Automatic Fire Alarm & Ext. Co., 413 Broadway, New York.
Chemical Hand Fire Ext. Co., 3 Studio Building, Boston, Mass.
Chicago Hose Reel Co., 101 Erie St., Chicago, Ill.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
Harden Hand Grenade Fire Ext.Co., 51 Dearborn St., Chicago, Ill.
Harkness Fire Extinguisher Co., 77 W. Houston St., New York.
S. F. Hayward Co., 351 Canal St., New York.
Muskegon Chem. Fire Engine Co., Muskegon, Mich.
Nathan Mfg. Co., 92 Liberty St., New York.
Perfect Fire Extinguisher & Mfg. Co., 24 N. 3d St., St. Louis, Mo.
W. K. Platt & Co., 36 S. 4th St., Philadelphia, Pa.
Rumsey & Co., Ltd., 107 Liberty St., New York.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

G. HAND GRENADES.
Brown & Bros. Tubing & Boiler Works, Waterbury, Conn.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
Harden Hand Grenade Fire Ext. Co., 51 Dearborn St., Chicago, Ill.

H. HOOK & LADDER TRUCKS.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
Horton & Co., 53 E. 5th St., Cincinnati, O.
Rumsey & Co., Ltd., 107 Liberty St., New York.

I. HOOK & LADDER TRUCKS, EXTENSION.
Chicago Hose Reel Co., 101 Erie St., Chicago, Ill.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
La France Fire Engine Co., Elmira, N. Y.

J. HOSE CARRIAGES.
Abbot-Downing Co., Concord, N. H.
Button Fire Engine Co., Waterford, N. Y.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
E. H. Jacobs & Co., Danielsonville, Conn.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.

K. HOSE CARTS.
Button Fire Engine Co., Waterford, N. Y.
Chicago Hose Reel Co., 101 Erie St., Chicago, Ill.
Fenton & Dunn, Holyoke, Mass.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
Gleason & Bailey Mfg. Co., Ltd., Seneca Falls, N. Y.
Goulds Mfg. Co., Seneca Falls, N. Y.
Edw. H. Jacobs & Co., Danielsonville, Conn.
Rumsey & Co., Ltd., 107 Liberty St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
Silver Mfg. Co., Salem, O.

L. SPRAY NOZZLES.
Peck Bros. & Co., New Haven, Conn.

3213. FIRE DEPARTMENT SUPPLIES.
Andrew Morse & Son, 140 Congress St., Boston, Mass.
Cahill, Collins & Co., 408 N. 8th St., St. Louis, Mo.
Chicago Hose Reel Co., 101 Erie St., Chicago, Ill.
Fire Extinguisher Mfg. Co., 351 Canal St., New York.
Silsby Mfg. Co., Seneca Falls, N. Y.
U. S. Supply Co., Ltd., 51 John St., New York.

3214. FIRE ESCAPES, PORTABLE.
J. S. Cochran, 195 S. 5th Av., New York.

3215. FIRE TRUMPETS.
Anderson & Jones, 125 Grand St., New York.
C. G. Braxmar, 47 Cortlandt St., New York. *66
Cairns & Bro., 143 Grand St., New York.
Meriden Britannia Co., Meriden, Conn.
J. M. Migeod & Son, 510 Race St., Philadelphia, Pa.

A. PRESENTATION FIRE TRUMPETS.
C. G. Braxmar, 47 Cortlandt St., New York. *66
Meriden Brittania Co., Meriden, Conn.
Pairpoint Mfg. Co., New Bedford, Mass. *25

3216. FLAGS & BANNERS.

A. BANNERS.
Wm. Beck & Sons, 280 Vine St., Cincinnati, O.
John Boyle, 199 Fulton St., New York.
Chas. Gotthelf, 29 Willett St., New York.
Grumbach & Grote, 125 Hudson St., New York.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
J. & R. Lamb, 59 Carmine St., New York.
John F. McHugh, 1263 Broadway, New York.
Pettibone Mfg. Co., 268 Maine St., Cincinnati, O.

B. BURGEES.
John Boyle, 199 Fulton St., New York.
Chas. Gotthelf, 29 Willett St., New York.
John F. McHugh, 1263 Broadway, New York.

C. CODE SIGNALS.
John Boyle, 199 Fulton St., New York.
Chas. Gotthelf, 29 Willett St., New York.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

D. FLAGS.
Annin & Co., 99 Fulton St., New York.
Wm. Beck & Son, 280 Vine St., Cincinnati, O.
John Boyle, 199 Fulton St., New York.
E. C. Cook & Co., 32 Dearborn St., Chicago, Ill.
De Grauw, Aymar & Co., 34 South St., New York.
Detroit Tent & Awning Co., Detroit, Mich.
Chas. Gotthelf, 29 Willett St., New York.
W. H. Hoffmann, 150 W. Broadway, New York.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
Ives, Blakeslee & Williams Co., Bridgeport, Conn.
Lamprell & Marble, 357 Commercial St., Boston, Mass.
John F. McHugh, 1263 Broadway, New York.
Missouri Tent & Awning Co., 220 Chestnut St., St. Louis, Mo.
Neville & Co., San Francisco, Cal.
Pettibone Mfg. Co., 268 Main St., Cincinnati, O.
Roberts Bros., 71 Market St., Chicago, Ill.

E. FLAGS, EMBROIDERED.
John Boyle, 199 Fulton St., New York.
Grumbach & Grote, 125 Hudson St., New York.
J. & R. Lamb, 59 Carmine St., New York.

F. FLAGS OF ALL NATIONS.
John Boylé, 199 Fulton St., New York.
E. C. Cook & Co., 32 Dearborn St., Chicago, Ill.
Chas. Gotthelf, 29 Willett St., New York.
Grumbach & Grote, 125 Hudson St., New York.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.

G. FLAG AND BANNER TRIMMINGS.
John Boyle, 199 Fulton St., New York.
Grumbach & Grote, 125 Hudson St., New York.
J. & R. Lamb, 59 Carmine St., New York.
Roberts Bros., 71 Market St., Chicago, Ill.

H. PRINTED FLAGS ON STICKS.
John Boyle, 199 Fulton St., New York.
Chas. Gotthelf, 29 Willett St., New York.
Grumbach & Grote, 125 Hudson St., New York.

I. SILK FLAGS.
John Boyle, 199 Hudson St., New York.
Cheney Bros., South Manchester, Conn.
Chas. Gotthelf, 29 Willett St., New York.
Grumbach & Grote, 125 Hudson St., New York.
Horstmann Bros. & Co., 5th & Cherry Sts., Philadelphia, Pa.
J. & R. Lamb, 59 Carmine St., New York.

J. YACHT FLAGS.
John Boyle, 199 Fulton St., New York.
Chas. Gotthelf, 29 Willett St., New York.
Irving W. Wheeler & Co., 62 Commercial St., Boston, Mass.
A. Wilson, 330 Atlantic Av., Boston, Mass.

3217. FLAGSTAFFS & POLES.
Chesebro & Whitman, 302 E. 64th St., New York.
Grumbach & Grote, 125 Hudson St., New York.
C. W. H. Moulton & Co., E. Cambridge, Mass.

	J. D. West & Co., 49 Cortlandt St., New York.
A. FLAG POLE EAGLES.	E. T. Barnum, Detroit, Mich.
3218. FLOWER POTS, IRON.	M. D. Jones & Co., 76 Washington St., Boston, Mass.
3219. FLY PAPER.	M. M. Baker & Co., 145 Larrabee St., Chicago, Ill.
	Czar Dunning, Rochester, N. Y.
	Imperial Co., New Haven, Conn.
	Krembs & Co., 183 W. Randolph St., Chicago, Ill.
	T. B. Stayner, Providence, R. I.
3220. FOUNTAINS.	J. W. Fiske, 28 Park Place, New York.
	M. D. Jones & Co., 76 Washington St., Boston, Mass.
	J. L. Mott Iron Works, 90 Beekman St., New York.
	A. B. & W. T. Westervelt, 102 Chambers St., New York.
	Henry F. Jenks, Pawtucket, R. I.
3221. FRAMES.	
A. ADVERTISING FRAMES.	John Dahlmeyer, 59 New Bowery, New York.
B. MIRROR FRAMES.	Blanck & Co., 16 Horatio St., New York.
	Jacob Dieter, 3 1st St., New York.
	Wm. C. Doscher Mfg. Co., 404 E. 14th St., New York.
	Hall & Garrison, 1136 Washington Av., Philadelphia, Pa.
	H. Kruse & Co., 86 Main St., Cincinnati, O.
	Lippe & Co , 110 Bowery, New York.
	Reuhl Moulding Mfg. Co., 294 Main St., Cincinnati, O.
	T. A. Wilmurt & Sons, 54 E. 13th St., New York.
C. PASSE-PARTOUTS.	Pierce & Bushnell Mfg. Co., New Bedford, Mass.
	Chas. Taber & Co., New Bedford, Mass.
D. PHOTOGRAPH FRAMES.	Hargreaves Mfg. Co., Detroit, Mich.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Lewis Pattberg & Bros., Jersey City, N. J.
	Meriden Britannia Co., Meriden, Conn.
	Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
E. PICTURE FRAMES.	Adley Mfg. Co., 196 N. Union St., Chicago, Ill.
	C. O. Baxter & Co., 501 S. 3d St., St. Louis, Mo.
	Beers Bros., 1264 Broadway, New York.
	Broude Mfg. Co., Pittsburgh, Pa.
	Wm. E. Doscher Mfg. Co., 404 E. 14th St., New York.
	Empire Moulding Works, Rochester, N. Y.
	J. V. Escott & Son, Louisville, Ky.
	J. J. Gillespie & Co., Pittsburgh, Pa.
	J. W. Gillis, Rochester, N. Y.
	Hall & Garrison, 1136 Washington Av., Philadelphia. Pa.
	Husche & Jurs, 111 W. Superior St., Chicago, Ill.
	Kelly & Co., 69 W. Washington St., Chicago, Ill.
	H. Lieber Co., Indianapolis. Ind.
	M. H. Lowell Art Co., 212 Randolph St., Chicago, Ill.
	John Moore & Co., Syracuse, N. Y.
	National Portrait Co., 118 National Boul., Chicago, Ill.
	Lewis Pattberg & Bros., Jersey City, N. J.
	Pierce & Bushnell Mfg. Co., New Bedford, Mass.
	August F. Richter, 42 Huron St., Chicago, Ill.
	Reuhl Moulding Mfg. Co., 294 Main St., Cincinnati, O.
	Schneider & Fuchs, 311 St. Paul St., Baltimore, Md.
	Syracuse Moulding Co., Syracuse, N. Y.
	Toledo Mounting Co., Toledo, O.
	T. A. Wilmurt & Sons, 54 E. 13th St., New York.
F. PICTURE & MIRROR BACK BOARDS.	Dwight Lumber Co., Detroit, Mich.
	Ossawan Mills Co., Norwich, Conn. *65
	Wm. E. Sparrow, Mattapoisett, Mass.
G. PLUSH FRAMES.	American Pin Co., Waterbury, Conn.
	Lewis Pattberg & Bros., Jersey City, N. J.
3222. FURS.	Alaska Commercial Co., Sitka, Alaska.
	Alaska Fur Co., 159 State St., Chicago, Ill.
	Alaska Salmon Packing & Fur Co., San Francisco, Cal.
	Frank & Hallendall, 121 S. Main St., St. Louis, Mo.
	J. Freystadt & Sons, 475 Broadway, New York.
	C. G. Gunther's Sons, 184 5th Av., New York.
	Harris & Russak, 14 Washington Place, New York.
	E. Hartmann, Hide & Leather Co., 312 N. Com'c'l St., St. Louis, Mo.
	Hutchinson, Kohl, Philipeus & Co., San Francisco, Cal.
	A. Landau & Co., 720 S. Main St., St. Louis, Mo.
	H. Liebes & Co., San Francisco, Cal.
	North American Commercial Co., San Francisco, Cal.
	R. Prince & Son, 165 Mercer St., New York.
	Leonard Roos Fur Co., 512 Locust St., St. Louis, Mo.
	J. & S. Sachs, 100 N. Commercial St., St. Louis, Mo.
	H. Sayers & Co., 216 N. Main St., St. Louis, Mo.
	J. Schatt & Co., 122 N. Main St., St. Louis, Mo.

Schmidt, Traugott & Sons, Detroit, Mich.
Sitka Trading Co., Sitka, Alaska.
Louis Sloss & Co., San Francisco, Cal.
W. F. Warner & Co., 308 N. Main St., St. Louis, Mo.

3223. GARBAGE BURNERS & CREMATORS.
Seymour G. Smith, Plainfield, N. J.

3224. GAVELS.
F. Grote & Co., 114 E. 14th St., New York.

3225. GLASS BEADS.
J. Kannofsky, 369 Canal St., New York.

3226. GRAIN REGISTERS.
Gender & Paeschke Mfg. Co., Milwaukee, Wis.
R. R. Howell & Co., Minneapolis, Minn.
C. L. Nesmith, Washington, Ill.

3227. GUIDEBOARDS, STEEL.
Hartman Mfg. Co., 92 Chambers St., New York.

3228. HAIR BRUSH CLEANERS.
Chas. J. Hauk & Sons, 38 Stagg St., Brooklyn, N. Y.

3229. HAIR NETS.
Jennings Lace Works, Park Av. & Hall St., Brooklyn, N. Y.
J. H. Loewenstine, 41 Greene St., New York.

3230. HAIR PINS.
American Pin Co., Waterbury, Conn.
Arlington Mfg. Co., 84 Leonard St., New York.
Cosmopolitan Mfg. Co., Newark, N. J.
Crossin & Tucker, Providence, R. I.
Geo. M. Eddy & Co., 345 Classon Av., Brooklyn, N. Y.
E. I. Franklin & Co., North Attleboro', Mass.
Chas. H. Johnson, Birmingham, R. I.
Wm. Maas & Co., 370 Broadway, New York.
Wm. Smith, 4531 Royal St., Philadelphia, Pa.

A. IVORY HAIR PINS.
F. Grote & Co., 114 E. 14th St., New York.

B. TORTOISE SHELL HAIR PINS.
A. Trenkmann, 241 Centre St., New York.
F. Grote & Co., 114 E. 14th St., New York.
Milo Hildreth & Co., Northboro', Mass.

3231. HAMMOCK ATTACHMENTS.
I. E. Palmer, Middletown, Conn, *65

A. HAMMOCK SPREADERS.
A. L. Adams, Cedar Rapids, Iowa.
Gifford Mfg. Co., Watertown, N. Y.
R. W. Montross, Galien, Mich. *65
I. E. Palmer, Middletown, Conn.
South Bend Toy Mfg. Co., South Bend, Ind.

B. HAMMOCK STANDS.
A. L. Adams, Cedar Rapids, Iowa.
Empire Wringer Co., Auburn, N. Y.

3232. HAMPERS.
John W. Lauterbach, 121 Chambers St., New York.

A. LAUNDRY SHIPPING HAMPERS.
Abraham Leipzig, 426 Broome St., New York.
A. Meinecke & Son, Milwaukee, Wis.

B. WILLOW HAMPERS.
Wakefield Rattan Co., 115 Washington St., Boston, Mass.

3233. HAND BAGS.
Crouch & Fitzgerald, 556 Broadway, New York.
N. Drucker & Co., 110 W. 3d St., Cincinnati, O
A. Hahn & Co., 296 Broadway, New York.
Henry Lissa & Co., Newark, N. J.
John Mehl & Co., Jersey City, N. J.
T. B. Peddie & Co., Newark, N. J.
E. Simon & Bros., Newark, N. J.

A. SCHOOL BAGS.
John Mehl & Co., Jersey City, N. J.
I. E. Palmer, Middletown, Conn. *65
T. B. Peddie & Co., Newark, N. J.
Edw. Simon & Bros., Newark, N. J.

B. TOURISTS' BAGS.
Crouch & Fitzgerald, 556 Broadway, New York.
Haskell Bros., 52 Madison St., Chicago, Ill.
Henry Lissa & Co., Newark, N. J.
John Mehl & Co., Jersey City, N. J.
T. B. Peddie & Co., Newark, N. J.
Schmit Bros. Trunk Co., Oshkosh, Wis.
E. Simon & Bros., Newark, N. J.

C. TRAVELING BAGS.
Abel, Bach & Fitzgerald, Milwaukee, Wis.
Carpeles & Co., Milwaukee, Wis.
Crouch & Fitzgerald, 556 Broadway, New York.
A. F. Eggers & Co., Newark, N. J.
Edgar Farmer & Co., Newark, N. J.
A. Hahn & Co., 296 Broadway, New York.
Haskell Bros., 52 Madison St., New York.
J. F. Kitchell Mfg. Co., Newark, N. J.
J. Lagowitz & Co., 473 Broadway, New York.
Henry Lissa & Co., Newark, N. J.
Matthews & Co., 168 Church St., New York.
John Mehl & Co., Jersey City, N. J.
Northwestern Trunk & Traveling Bag Mfg. Co., Racine, Wis.
T. B. Peddie & Co., Newark, N. J.

E. Simon & Bros., Newark, N. J.
Schmit Bros. Trunk Co., Oshkosh, Wis.

3234. HAND CARTS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belle City Mfg. Co., Racine, Wis.
David Bradley Mfg. Co., 61 N. Desplaines St., Chicago, Ill.
Daley Mfg. Co., De Kalb, Ill.
Abram Ellwood, Sycamore, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lansing Wheelbarrow Co., Lansing, Mich.
Niles & Scott Co., La Porte, Ind.
Sandwich Enterprise Co., Sandwich, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Schuttler & Hotz, 45 W. Monroe St., Chicago, Ill.
E. W. Walker & Co., Goshen, Ind.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

3235. HANDCUFFS.
Marlin Fire Arms Co., New Haven, Conn.
Tower & Lyon, 95 Chambers St., New York.
Wilkinson Mfg. Co., Binghamton, N. Y.

3236. HARPOONS.
Eben Pierce, New Bedford, Mass.

3237. HAT CASES.
Crouch & Fitzgerald, 556 Broadway, New York.
Leatheroid Mfg. Co., Kennebunk, Me.
E. Simon & Bros., Newark, N. J.

3238. HAVERSACKS.
Hodgman Rubber Co., 459 Broadway, New York.
John F. McHugh, 1263 Broadway, New York.

3239. HAY RACKS.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
E. T. Barnum, Detroit, Mich.
C. H. Boss, Exeter, R. I.
S. S. Brent & Son, 111 Chambers St., New York.
J. W. Fiske, 26 Park Place, New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
E. C. Stearns & Co., Syracuse, N. Y.

3240. HAY STACK COVERS.
E. C. Cook & Co., 32 Dearborn St., Chicago, Ill.
J. A. McAuley & Peters, Columbus, O.

3241. HEEL PLATES.
Fisher Heel Support Co., Lansing, Mich.
Hartford Specialty Mfg. Co., Hartford, Conn.
Improved Heel Plate Co., Chicago, Ill.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Sachs & Richmond, Newark, N. J.
Star Heel Plate Co., Newark, N. J.
Wm. P. Whittier, Jr., Biddeford, Me.

3242. HONES.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

3243. HOOKS & EYES.
American Pin Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wire Goods Co., Worcester, Mass.

3244. HORSE BLOCKS.
Hurlbut Mfg. Co., Racine Junction, Wis.
J. H. Van Dorn, Cleveland, O.

3245. HOSE REELS.
A. Adams & Co., Cleveland, O.
Blair Mfg. Co., Springfield, Mass.
Chicago Hose Reel Co., 101 Erie St., Chicago, Ill.
J. A. Dubuar Mfg. Co., Northville, Mich.
Haydenville Mfg. Co., 73 Beekman St., New York.
Hurlbut Mfg. Co., Racine Junction, Wis.
King & Goddard, 64 Pearl St., Boston, Mass.
Mast, Foos & Co., Springfield, O.
Niles & Scott Co., La Porte, Ind.
Smith, Winchester & Co., S. Windham, Conn.
Union Mfg. Co., Toledo, O.
Whitman Agricultural Co., 8th St. & Clark Av., St. Louis, Mo.

3246. HYDROMETERS.
John Barney, 62 Fulton St., New York.
Cornish, Curtis & Greene, Fort Atkinson, Wis.
R. Hoehn & Co., 44 College Place, New York.
J. S. F. Huddleston, 328 Washington St., Boston, Mass.
Chas. J. Tagliabue, 51 Fulton St., New York.
John Tagliabue, 66 Fulton St., New York.
Giuseppe Tagliabue, 302 Pearl St., New York.
H. Weinhagen, 24 N. William St., New York.
A. Weiskopf, 111 5th Av., Chicago, Ill.
Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.
Wittermann Bros., 188 William St., New York.

3247. ICE.
Arctic Ice Co., Bangor, Me.
Champion Ice Mfg. & Cold Storage Co., Covington, Ky.
Chatauqua Ice Co., Rochester, N. Y.
Clark & Chaplin Ice Co., Portland, Me.
Dallas Ice Co., Dallas, Tex.

Distilled Water Ice Mfg. Co., Cairo, Ill.
Eidemiller Ice Co., Lawrence, Kan.
Forest City Ice Co., Cleveland, O.
Great Falls Ice Co., Washington, D. C.
Haynes & Dewitt, Augusta, Me.
Independent Ice Co., Washington, D. C.
Knickerbocker Ice Co., 6th & Arch Sts., Philadelphia, Pa.
Lincoln Ice Co., 170 Washington St., Chicago, Ill.
Muchattoes Lake Ice Co., Newburg, N. Y.
National Ice Mfg. Co., 29 Broadway, New York.
Nenney & Pardue, McKinney, Tex.
Neptune Ice Co., Galveston, Tex.
N. Y. Ice & Cold Storage Co., 206 Fulton St., New York.
T. J. Stewart & Co., Bangor, Me. *64
Stuck & Co., Selma, Ala.
Washington Ice Co. of Chicago, 175 Dearborn St., Chicago, Ill.
Wilson-Snyder Mfg. Co., Pittsburgh, Pa.
Yates Ice Co., Kansas City, Mo.

3248. ICE CREEPERS. Sinclair-Scott Mfg. Co., Baltimore, Md. *116

3249. INDIAN & BIRCH BARK GOODS.
Hunt, Stowe & Hincks, Old Town, Me.

3250. INDURATED FIBRE WARE.
John H. Conant, Watertown, Mass.
Indurated Fibre Co. of Lockport, Lockport, N. Y.
Laminar Fibre Goods Co., 180 Summer St., Boston, Mass.
Oswego Indurated Fibre Co., Oswego, N. Y.
Union Indurated Fibre Co., 37 Barclay St., New York.
Watertown Indurated Fibre Co., Watertown, Mass.
Western Indurated Fibre Co., Winona, Minn.

3251. IVORY GOODS.
A. Ball & Co., 85 Market St., Chicago, Ill.
F. Grote & Co., 114 E. 14th St., New York.
F. J. Kaldenberg Co., 213 E. 33d St., New York.
Rogers & Hubbard Co., Middletown, Conn.
Joseph Shardlow, 116 Fulton St., New York.

A. IVORY FAN FRAMES.
F. Grote & Co., 114 E. 14th St., New York.

3252. JACKET CANS.
Albany Steam Tin Works, Albany, N. Y.
J. H. Pocock Can Co., 900 N. 2d St., St. Louis, Mo.
Sidney Shepard & Co., Buffalo, N. Y.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

3253. JARDINIERES.
Horn, Brannen & Forsyth Mfg. Co., 427 N. Broad St., Phila., Pa.
H. L. Judd & Co., 87 Chambers St., New York.
Manning, Bowman & Co., Meriden, Conn.
Pittsburgh Brass Co., Allegheny, Pa.
Reed & Barton, Taunton, Mass.
Rockwood Pottery Co., 207 Eastern Av., Cincinnati, O.

3254. JEWELERS' TRAYS.
Herman Apel, 442 Elm St., Buffalo, N. Y.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
E. A. Lauten & Co., 26 University Place, New York.
Wiggers & Froelick, 60 Nassau St., New York.
W. S. & J. B. Wilkinson, 9 Madison St., Chicago, Ill.

3255. JEWELRY CASES.
Herman Apel, 25 Boston Alley, Buffalo, N. Y.
John Barnett, 832 Broadway, New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Louis Ettlinger & Sons, 8 Nassau St., New York.
Charles C. Haensler, 37 John St., New York.
Hebbard & Bro., 860 Broadway, New York.
S. C. Jackson, 180 Broadway, New York.
G. F. Kobb's Sons, 732 Sansom St., Philadelphia, Pa.
Koch, Sons & Co., 543 Pearl St., New York.
Palmer Mfg. Co., 290 Pearl St., New York.
Lewis Pattberg & Bros., Jersey City, N. J.
Leonard Paulle, 241 2d Av., Minneapolis, Minn.
Springfels & Weil, 35 E. Huron St., Buffalo, N. Y.
S. Valfer & Co., 66 Nassau St., New York
Wilcox Silver Plate Co., Meriden, Conn.

3256. KEY CHAINS.
Ames Sword Co., Chicopee, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn
Smith & Egge Mfg. Co., Bridgeport, Conn.

3257. KEY HOLDERS.
Ames Sword Co., Chicopee, Mass.
J. F. Kitchell Mfg. Co., Newark, N. J.

3258. KNAPSACKS. John F. McHugh, 1263 Broadway, New York.

3259. LABORATORY APPARATUS.
E. B. Benjamin Mfg. Co., 6 Barclay St., New York
Eimer & Amend, 205 3d Av., New York
S. Hawkridge, Hoboken, N. J.

3260. LADDERS.

Whitall, Tatum & Co., 410 Race St., Philadelphia, Pa.
F. F. Adams Co., Erie, Pa.
H. F. Brammer Mfg. Co., Davenport, Iowa.
Chesebro, Whitman & Co., 302 E. 64th St., New York.
Davenport Ladder Co., Davenport, Iowa.
W. L. Glidden, 220 Pacific St., Brooklyn, N. Y.
Moline Pump Co., Moline, Ill.
R. I. Ladder Co., Providence, R. I.

A. COMBINED LADDER, BENCH & BOARD. — Shepard & Co., Fulton, N. Y.

B. COMBINED STEP LADDER & TRUCK. — I-X-L Pump Co., Goshen, Ind.

C. EXTENSION LADDERS.
F. F. Adams Co., Erie, Pa.
Chicago Step Ladder Co., 151 S. Jefferson St., Chicago, Ill.
Davenport Ladder Co., Davenport, Iowa.
Shepard & Co., Fulton, N. Y.

D. FIRE LADDERS.
Bangor Extension Ladder Co., Bangor, Me.
Davenport Ladder Co., Davenport, Iowa.
Jackson Architectural Iron Works, 315 E. 28th St., New York.
Joseph S. Smith, Bangor, Me.

E. FOLDING LADDERS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Davenport Ladder Co., Davenport, Iowa.
L. H. Mace & Co., 111 E. Houston St., New York.

F. LADDER ROUNDS.
Kerr Bros. & Co., Hicksville, O.
Sandusky Tool Co., Sandusky, O. *210
Geo. Stockwell, Croyden, N. H.

G. LIBRARY STEPS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.
J. W. Mason & Co., 375 Pearl St., New York.
Robert Mitchell Furniture Co., 111 W. 4th St., Cincinnati, O.

H. PANTRY STEPS.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
L. H. Mace & Co., 111 E. Houston St., New York.

I. SAFETY LADDERS. — F. F. Adams Co., Erie, Pa.

J. SHELF LADDERS.
Chicago Step Ladder Co., 151 S. Jefferson St., Chicago, Ill.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.

K. STEP LADDERS.
F. F. Adams Co., Erie, Pa.
Atlas Mfg. Co., Danville, Pa.
Chicago Step Ladder Co., 151 S. Jefferson St., Chicago, Ill.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Davenport Ladder Co., Davenport, Iowa.
Fletcher & Webster Furnishing Co., Nashua, N. H.
W. L. Glidden, 220 Pacific St., Brooklyn, N. Y.
I-X-L Pump Co., Goshen, Ind.
L. H. Mace & Co., 111 E. Houston St., New York.
M. T. & J. A. Murphy, New Orleans, La.
Paris Mfg. Co., South Paris, Me.
Henry Schomer, 299 S. Canal St., Chicago, Ill.
Shepard & Co., Fulton, N. Y.
S. S. Starring & Son, Silver Creek, N. Y.

L. STEP LADDERS, EXTENSION. — Chieftain Co., Canton, O.

3261. LEG SPREADERS (COLT BREAKING).
Kalamazoo Wagon Co., Kalamazoo, Mich.

3262. LETTER BOXES, HALLWAY.
Hurlbut Mfg. Co., Racine Junction, Wis.
Yale & Towne Mfg. Co., Stamford, Conn.

3263. LIFE PRESERVERS.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
David Kahnweiler, 146 Worth St., New York.
John Robinson & Co., 45 Murray St., New York.

3264. LIFE SAVING ROCKETS.
American Carrier Rocket Co., New Bedford, Mass.

3265. LINENOID GOODS. — Crane Bros., Westfield, Mass. *74

3266. LIVE FISH. — Eugene G. Blackford, 80 Fulton Market, New York.

3267. LIVE STOCK.

A. BIRDS, PET. — H. W. Vahla, 319 Market St., Philadelphia, Pa.

B. BIRDS, SONG. — B. McCaffrey, Steubenville, O.

C. CATS, MALTESE. — J. Leffel, Springfield, O.

D. CATTLE, ANGUS.
M. T. Brown, Davenport, Iowa.
Dillon Stock Farm, Sterling, Ill.
Doolittle Bros., Atkinson, Neb.
Hugh W. Elliott, Estill, Mo.
J. Evans, Jr. & Son, Emerson, Iowa.
Robert Home, Milton, Wis.
Leslie & Burwell, Cottage Grove, Wis.
R. Lilburn, Emerald Grove, Wis.

	T. J. McCreary, Highland, Kan.
	W. A. McHenry, Denison, Iowa.
	M. A. Martin, Wall Lake, Iowa.
	Wilson & Burgett, Keithsburg, Ill.
E. CATTLE, AYRSHIRE.	R. J. & W. J. Munce, Clokeyville, Pa.
F. CATTLE, BEEF.	Acoma Land & Cattle Co., Acoma, N. Mex.
	Roman A. Baca, San Mateo, N. Mex.
	J. M. Carey & Bro., Cheyenne, Wyo.
	El Capitan Land & Cattle Co., Fort Stanton, N. Mex.
	Francisco Gallegos, Genova, N. Mex.
	Wash. Giles, Wyoming, Neb.
	T. W. Harvey, Turlington, Neb.
	John Horton, Unadilla, Neb.
	Henry Huning, Show Low, Ariz.
	Carl Morton, Nebraska City, Neb.
	Nigrita Cattle Co., Silver City, N. Mex.
	Geo. Page, Syracuse, Neb.
	Sierra Bonita Land & Stock Co., Bonita, Ariz.
	Smiths & Powell, Syracuse, N. Y.
	Andy Stout, Julian, Neb.
	Tusas Valley Cattle Co., Albuquerque, N. Mex.
	Wabash Cattle Co., Navajo, Ariz.
	Wilson Waddingham, Fort Bascom, N. Mex.
	Western Union Cattle, Land & Irrigation Co., Socorro, N. Mex.
	H. C. Wilson, Alma, N. Mex.
	Ed. Woolsey, Wyoming, Neb.
	H. E. Wormley, Nebraska City, Neb.
G. CATTLE, DEVON.	Ben R. Eldredge, Provo City, Utah.
	J. W. Morse & Son, Verona, Wis.
	D. J. Whitmore & Co, Casstown, O.
H. CATTLE, GALLOWAY.	Peter Davy & Sons, Monterey, Wis.
	E. R. Hardy, Abingdon, Ill.
	Hugh Paul, Heron Lake, Minn.
	F. W. Stewart, Forest, Ill.
	R. Sykes, Larchwood, Iowa.
I. CATTLE, HOLSTEIN-FRIESIAN.	W. E. Hughes, Dallas, Tex.
	Dexter Severy & Sons, Leland, Ill.
	Smiths & Powell, Syracuse, N. Y.
	G. A. & E. A. Stanton, Greenwood, Ind.
	Geo. Stilson, Longpoint, Ill.
J. CATTLE, JERSEY.	J. Sterling Morton, Nebraska City, Neb.
K. CATTLE, RED POLLED.	B. R. Bohart, Elvira, Iowa.
	R. W. Brown, Merton, Wis.
	S. A. Converse, Cresco, Iowa.
	V. T. Hills, Delaware, O.
	J. T. Martin, Richland City, Wis.
	L. F. Ross, Iowa City, Iowa.
	W. H. Seaman, Davenport, Iowa.
L. CATTLE, SHORT HORNS.	I. Barr & Son, Davenport, Iowa.
	B. O. Cowan, New Point, Mo.
	O. W. Fisher, Assumption, Ill.
	J. Henn & Son, Redmon, Ill.
	J. H. Potts & Son, Jacksonville, Ill.
	C. M. Sanger & Sons, Waukeska, Wis.
	S. H. Thompson, Iowa City, Iowa.
	Allen Varner, Indianola, Ill.
	Wm. Warfield, Lexington, Ky.
	Thomas Wilhoit, Middletown, Ind.
M. CATTLE, SWISS.	A. Bourquin, Nokomis, Ill.
N. CHICKENS.	C. H. Akerly, Tonawanda, N. Y.
	Arkansas Poultry Farm, Batesville, Ark.
	Geo. C. Buckman, Melrose Highlands, Mass.
	C. S. Cooper, Schraclenburg, N. J.
	J. D. Engal, Middleburg, Md.
	C. & P. Enty, Templeton, Pa.
	J. Forsyth, Owego, N. Y.
	B. A. Fox, Hammondtown, N. J.
	Chas. M. Griffing & Son, Shelter Island, N. Y.
	R. B. Hayes, Mentor, O.
	E. E. Homan, Yaphank, Long Island, N. Y.
	H. R. Minner, Hereford, Pa.
	Geo. Purdue, E. Orange, N. J.
	Wm. J. Schauble, Erie, Pa.
	Stickley & Co., Nashville, Tenn.
	F. S. Tenney, Peterboro', N. H.
	E. B. Thompson, Amenia, N. Y.

		I. H. Thompson, Jr., Paterson, N. J.
		A. S. Way, Chattanooga, Tenn.
O.	CHICKENS, BANTAM.	Arkansas Poultry Farm, Batesville, Ark.
		F. D. Lewis & Bro., Amsterdam, N. Y.
P.	CHICKENS, GAME.	E. W. Amsden, Ormond, Fla.
		Irving Crocker, Seneca Falls, N. Y.
		H. R. Minner, Hereford, Pa.
		A. R. Warner, Seneca Falls, N. Y.
Q.	CHICKENS, GUINEA.	C. & P. Enty, Templeton, Pa.
R.	DOGS, BEAGLE.	Geo. B. Hickman, W. Chester, Pa.
		H. L. Kreuder, Nanuet, N. Y.
S.	DOGS, BLACK & TAN.	Rochelle Kennel, New Rochelle, N. Y.
T.	DOGS, BLOODHOUND.	J. L. Winchell, Fair Haven, Vt.
U.	DOGS, BULL TERRIER.	Northfield Yorkshire Kennels, Salem, Mass.
V.	DOGS, COCKER SPANIEL.	Mountain Kennel, Cabin Hill, N. Y.
		A. B. Lilman, 40 Boylston St., Boston, Mass.
		Handsome Brook Kennel, Franklin, N. Y.
W.	DOGS, COLLIE.	Chestnut Hill Kennels, Box 1630, Philadelphia, Pa.
		Geo. B. Hickman, W. Chester, Pa.
		Lake View Kennels, Worcester, Mass.
		C. E. Osborne, Stepney, Conn.
		S. P. Porter, Mallet Creek, O.
X.	DOGS, FOX HOUND.	F. H. Hayes, Dexter, Me.
		Geo. B. Hickman, W. Chester, Pa.
Y.	DOGS, FOX TERRIER.	W. D. Holsapple, Hudson, N. Y.
		Hillside Kennels, Lancaster, Mass.
Z.	DOGS, GREYHOUND.	H. C. Burdick, Springfield, Mass.
AA.	DOGS, IRISH SETTER.	R. H. Burr, Middletown, Conn.
		F. L. Cheney, Pittsfield, Mass.
BB.	DOGS, ITALIAN GREY-HOUND.	Henry C. Burdick, Springfield, Mass.
CC.	DOGS, MASTIFF.	J. L. Winchell, Fair Haven, Vt.
DD.	DOGS, NEWFOUNDLAND.	O. F. Connelly, Carlisle, Pa.
		S. P. Porter, Mallet Creek, O.
EE.	DOGS, POINTER.	C. E. Osborne, Stepney, Conn.
FF.	DOGS, PUG.	H. C. Burdick, Springfield, Mass.
		C. E. Osborne, Stepney, Conn.
GG.	DOGS, ST. BERNARD.	E. J. Blake, Hartford, Conn.
		J. W. Flint, Scio, N. Y.
		E. H. Moore, Melrose, Mass.
		H. S. Pitkin, Box 385, Hartford, Conn.
		Wyoming Kennels, Melrose, Mass.
HH.	DOGS, SETTER.	Watson K. Ely, 1428 S. Penn Square, Philadelphia, Pa.
		Michael Flynn, Jr., Bristol, R. I.
		Geo. B. Hickman, W. Chester, Pa.
II.	DOGS, TOY TERRIER.	P. H. Coombs, Bangor, Me.
JJ.	DOGS, TRAINED.	H. C. Graff, Kensington, O.
KK.	DUCKS.	E. W. Amsdew, Ormond, Fla.
		J. D. Engel, Middleburg, Md.
		C. & P. Enty, Templeton, Pa.
		G. C. Morris, Sag Harbor, N. Y.
		A. L. Nye, Tiro, O.
LL.	FERRETS.	C. P. Bradley, Napoleon, O.
		Adolph Isaacsen, 92 Fulton St., New York.
		J. Leffel, Springfield, O.
		S. P. Porter, Mallet Creek, O.
		L. G. Wenige, Bellville, Ill.
MM.	GEESE.	C. & P. Enty, Templeton, Pa.
NN.	GUINEA PIGS.	C. P. Bradley, Napoleon, O.
		C. Hamilton, Huntington, Pa.
		J. Leffel, Springfield, O.
		S. P. Porter, Mallet Creek, O.
OO.	HARES.	A. L. Nye, Tiro, O.
		S. B. Porter, Mallet Creek, O.
PP.	HORSES, CLEVELAND BAY.	Geo. E. Brown, Aurora, Ill.
		Stericker Bros., Springfield, Ill.
QQ.	HORSES, COACH.	Degen Bros., Ottawa, Ill.
		Door Prairie Live Stock Assn., Door Village, Ind.
		M. W. Dunham, Wayne, Ill.
		W. L. Ellwood, De Kalb, Ill.
		F. J. Jolidon & Son, Elvaston, Ill.
		Singmaster Bros., Keota, Iowa.
		Oltmanns Bros., Watseka, Ill.
		Smiths & Powell, Syracuse, N. Y.
		Spencer & Willard, Oskaloosa, Iowa.
RR.	HORSES, CLYDESDALE.	E. Bennett & Son, Topeka, Kan.

		Blair Bros., Aurora, Ill.
		N. P. Clarke, St. Cloud. Minn.
		Corvant Bros., Akron, Iowa.
		Galbraith Bros., Janesville, Wis.
		R. Halloway, Alexis, Ill.
		Peter Hopley & Co., Louis Cass Co., Iowa.
		John C. Huston, Blandinsville, Ill,
		R. B. Ogilvie, Madison, Wis.
		Singmaster Bros., Keota, Iowa.
		Smiths & Powell, Syracuse, N. Y.
SS.	HORSES, FRENCH COACH.	Douglas & Howell, Toledo, O.
		M. W. Dunham, Wayne, Ill.
		W. L. Ellwood, De Kalb, Ill.
		Leonard Johnson, Northfield, Minn.
TT.	HORSES, GERMAN COACH.	Oltmanns Bros., Watseka, Ill.
		Singmaster Bros., Keota, Iowa.
UU.	HORSES, HACKNEY.	Stericker Bros., Springfield, Ill.
VV.	HORSES, PERCHERON.	Banks & Classer, La Porte, Ind.
		E. Bennett & Son, Topeka, Kan.
		Degen Bros., Ottawa, Ill.
		Door Prairie Live Stock Assn., Door Village, Ind.
		M. W. Dunham, Wayne, Ill.
		W. L. Ellwood, De Kalb, Ill.
		Peter Hopley & Co., Lewis, Iowa.
		J. Mat. Huston & Co., Blandinsville, Ill.
		F. J. Jolidon & Son, Elvaston, Ill.
		J. P. McWilliams, Dwight, Ill.
		T. W. Palmer, Detroit, Mich.
		Singmaster Bros., Keota, Iowa.
WW.	HORSES, SHIRE.	Blaire Bros., Aurora, Ill.
		Geo. E. Brown, Aurora, Ill.
		Burgess Bros., Winona, Ill.
		Cowan Bros., Akron, Iowa.
		Galbraith Bros., Janesville, Wis.
		R. Holloway, Alexis, Ill.
		Peter Hopley & Co., Lewis, Cass County, Iowa.
		Singmaster Bros., Keota, Iowa.
		Stericker Bros., Springfield, Ill.
XX.	HORSES, SUFFOLK PUNCH.	Galbraith Bros., Zanesville, Wis.
		Peter Hopley, Lewis, Iowa.
YY.	HORSES, TROTTING.	A. J. Alexander, Spring Station, Ky.
ZZ.	HORSES, THOROUGHBRED.	A. J. Alexander, Spring Station, Ky.
Aa.	PIGEONS.	Arkansas Poultry Farm, Batesville, Ark.
		C. & P. Enty, Templeton, Pa.
		J. Leffel, Springfield, O.
		E. F. Smith, New Albany, Ind.
		Stickley & Co., Nashville, Tenn.
		L. G. Wenige, Belleville, Ill.
Bb.	PIGEONS, HOMING.	O. F. Connelly, Carlisle, Pa.
Cc.	RABBITS.	C. P. Bradley, Napoleon, O.
		A. J. Haas, Bechtelsville, Pa.
		C. Hamilton, Huntington, Ind.
		J. Leffel, Springfield, O.
		C. Z. Stocum, Napoleon, O.
		A. S. Way, Chattanooga, Tenn.
Dd.	SHEEP.	Nester Armijo, Las Cruces, N. Mex.
		Foster Bros., Monterey, Mich.
Ee.	SHEEP, COTSWOLDS.	Geo. Harding, Waukesha, Wis.
Ff.	SHEEP, MERINO.	W. G. Crawford & Sons, Rix's Mills, O.
		H. B. Fales, Cameron, Mo.
		Hunt Bros., Oak Grove Farm, Greenwood, Ill.
		Samuel Jewett & Sons, Lawrence, Mass.
		E. D. King, Burlington, Kan.
		E. Peck & Sons, Geneva, Ill.
		Reynold & Daved, Mulvans, Kan.
		L. E. Shattuck, Stanberry, Mo.
Gg.	SHEEP, SHROPSHIRE.	Geo. Allen & Son, Allerton, Ill.
		Blake Bros., Galesburg, Mich.
		I. S. Dunham, Concord, Mich.
		A. O. Fox, Woodside Farms, Oregon, Wis.
		C. W. Reichenbach, Applecreek, Wayne Co., O.
		Jas. M. Turner, Lansing, Mich.
		I. J. Williams & Sons, Muncie, Ind.
		J. M. Work, Randolph, Ill.
Hh.	SHEEP, SOUTHDOWN.	C. M. Clay, White Hall, Ky.
Ii.	SWINE.	S. J. Black, Washburn, Ill.

W. J. Boynton, Rochester, Minn.
O. A. Campbell, Rantoul, Ill.
Geo. P. Dickson, Sandwich, Ill.
N. J. Doty, Ferris, Tex.
Amos Edmunds, Disco, Ill.
Fisher Bros., Sidney, Ill.
Foster Bros., Monterey, Mich.
W. H. Graham, Athens, Ill.
Jacob Grossman, Lanark, Ill.
J. A. Harrold, Wapella, Ill.
F. C. Hellyer, Leando, Iowa.
Geo. B. Hinckman, W. Chester, Pa.
E. C. Holland, Milton, Iowa.
T. A. Hubbard, Wellington, Kan.
W. H. Hughes, Brownsburg, Ind.
M. M. Jones & Son, Seaton, Ill.
W. A. Jones, Van Meter, Iowa.
W. B. & L. G. Jones, Towanda, Ill.
Kneisley & Holmes, Carroll, O.
E. C. Rouse, Homer, Mich.
Philip Schmidt, Peoria, Ill.
Springer Bros., Springfield, Ill.
John F. Stover, Crawfordsville, Ind.
John Swengel, Neoga, Ill.
Terrell & Harris, Terrell, Tex.
H. K. Vickroy, Normal, Ill.
Geo. L. & O. P. Wolcott, Conover, O.
T. G. Yeoman & Sons, Walworth, N. Y.

jj. TURKEYS.
E. W. Amsden, Ormond, Fla.
J. D. Engel, Middleburg, Md.
C. & P. Enty, Templeton, Pa.

3268. LODGE SUPPLIES.
Wm. Beck & Sons, 280 Vine St., Cincinnati, O.
J. & R. Lamb, 59 Carmine St., New York.
M. C. Lilley & Co., Columbus, O.

3269. MAGIC LANTERNS.
J. B. Colt & Co., 16 Beekman St., New York.
T. H. McAllister, 49 Nassau St., New York.
Weeden Mfg. Co., New Bedford, Mass.

A. MAGIC LANTERN SLIDES.
C. W. Briggs, 628 Callowhill St., Philadelphia, Pa.
J. B. Colt & Co., 16 Beekman St., New York.
Fellows Photographic Co., 1024 Arch St., Philadelphia, Pa.

3270. MAIL BAGS.

A. OFFICE MAIL BAGS.
American Railway Supply Co., 24 Park Place, New York.
John Boyle, 199 Fulton St., New York.
E. C. Cook & Co., 32 Dearborn St., Chicago, Ill.
T. B. Peddie & Co., Newark, N. J.

B. RAILROAD MAIL BAGS.
American Railway Supply Co., 24 Park Place, New York.
F. Coit Johnson, 115 Worth St., New York.
T. B. Peddie & Co., Newark, N. J.

3271. MAIL CHUTES.
Cutler Mfg. Co., Rochester, N. Y.

3272. MAPLE SUGAR MAKING FIXTURES.
J. A. Dubuar Mfg. Co., Northville, Mich.
C. C. Post, Burlington, Vt.

3273. MATCH HOLDERS.
J. W. Fiske, 26 Park Place, New York.
Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.

A. MATCH BOXES.
D. F. Foley & Co., 23 Maiden Lane, New York.
French & Franklin Mfg. Co., N. Attleboro', Mass.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
F. Grote & Co., 114 E. 14th St., New York.
E. S. Johnson & Co., 26 Maiden Lane, New York.
Meriden Britannia Co., Meriden, Conn.

B. MATCH BOXES, LEATHER.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
G. T. Sutterley & Co., 38 N. 6th St., Philadelphia, Pa.

3274. MATHEMATICAL INSTRUMENTS.
Theodore Alteneder & Sons, 355 N. 10th St., Philadelphia, Pa.
F. W. Devoe & Co., Fulton & William Sts., New York.
Wm. Gardam & Sons, 98 John St., New York.
W. & L. E. Gurley, Troy, N. Y.
Keuffel & Esser Co., 127 Fulton St., New York.
R. Merrill's Sons, 110 Wall St., New York.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Stackpole & Bro., 41 Fulton St., New York.
G. Tagliabue, 302 Pearl St., New York.
Williams & Brown, 39 S. 10th St., Philadelphia, Pa.

3275. MEASURES.

A. ALE & BEER MEASURES.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.

Thos. Miller, 104 Centre St., New York.
Palmer Mfg. Co., 290 Pearl St., New York.
Jos. Scheider & Co., 119 N 3d St., Brooklyn, N. Y.
Herman Strater & Sons, 70 Sudbury St., Boston, Mass.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

B. COPPER MEASURES.
Aldrich & Ray Mfg. Co., Buffalo, N. Y.
Palmer Mfg. Co., 290 Pearl St., New York.
Thomas Phillips & Co., Providence, R. I.
Geo. N. Pierce & Co., Buffalo, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

C. ICE CREAM MEASURES.
Valentine Clad, 117 S. 11th St., Philadelphia, Pa.

D. IRON MEASURES.
Lalance & Grosjean Mfg Co., 19 Cliff St., New York.
St. Louis Stamping Co., Cass Av. & 2d St., St. Louis, Mo.

E. OIL & GASOLINE MEASURES.
W. J. Clark & Co., Salem, O. *121

F. TIN MEASURES.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

G. VINEGAR MEASURES.
Edmands & Hooper, 455 Medford St., Charlestown, Mass.
John Sommer's Son, Newark, N. J.

H. WOODEN MEASURES.
Michigan Barrel Co., Grand Rapids, Mich.
Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.

3276. MEASURING MECHANISM.
D. S. Plumb, 24 Boudinot St., Newark, N. J. *82

3277. MECHANICAL BURGLAR ALARMS.
Vassar Burglar Alarm Mfg. Co., 56 Warren St., New York.

3278. MECHANICAL INSTRUMENTS, INTRICATE.
D. S. Plumb, 24 Boudinot St., Newark, N. J. *82
Sloan, Chace & Co., Newark, N. J.

3279. MEMORIAL BRASSES.
Gorham Mfg. Co., Providence, R. I.
J. & R. Lamb, 59 Carmine St., New York.

3280. MEMORANDUM TABLETS.
Arlington Mfg. Co., 84 Leonard St., New York.
F. Grote & Co., 114 E. 14th St., New York.
Wallace & Sons Mfg. Co., Wallingford, Conn.

3281. METAL ORNAMENTS.
Novelty Mfg. Co., Waterbury, Conn.

A. BRASS ORNAMENTS.
H. L. Judd & Co., 87 Chambers St., New York.
W. H. Mullins, Salem, O.
Post & Co., 217 W. 4th St., Cincinnati, O.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.
Steele & Johnson Mfg. Co., Waterbury, Conn.

B. BRONZE ORNAMENTS.
Armington Art Metal Co., E. Providence, R. I.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
George Fischer & Bro., 209 Forsyth St., New York.
E. Ingraham Co., Bristol, Conn.
Mathews & Willard Mfg. Co., Waterbury, Conn.
M. E. Moore, 3 Park Place, New York.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.

C. COPPER ORNAMENTS.
W. H. Mullins, Salem, O.
Warren Bros., 47 W. Lake St., Chicago, Ill.

D. ZINC ORNAMENTS.
W. H. Mullins, Salem, O.

3282. METALLIC BOTTLE CASES.
Merwin, Hurlbut & Co., 26 W. 23d St., New York.

3283. MICA GOODS.
John N. Heath, 1323 N. 24th St., Philadelphia, Pa.

3284. MICROTOMES.
Jos. Zentmayer, 209 S. 11th St., Philadelphia, Pa.

3285. MODELS.
Chicago Model Works, 181 Madison St., Chicago, Ill.
Wm. J. Doyle, Rome, N. Y.
N. Erlandsen, 107 Rivington St., New York.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Seibert & White, Allegheny, Pa.
Specialty Mfg. Co., Waterbury, Conn.

3286. MONEY DRAWERS.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
E. O. Wood, Nashua, N. H.

3287. MONOGRAMS, IVORY.
F. Grote & Co., 114 E. 14th St., New York.

3288. MOPS, COTTON.
Massasoit Mfg. Co., Fall River, Mass.

3289. MORTARS & PESTLES.
S. Obermayer Fdry. Sup. Mfg Co., Evans S. of 8th Sts., Cin., O. *54
John Savery's Son & Co., 97 Beekman St., New York.
Williams & Marvin, Deep River, Conn.

3290. MOSAICS.
J. & R. Lamb, 59 Carmine St, New York.

3291. MOSQUITO CANOPIES.
John S. Gage, 27 Barclay St., New York.
I. E. Palmer, Middletown, Conn. *65

3292. MUCILAGE STANDS.
Morgan Envelope Co., Springfield, Mass. *79

3293. NAPKIN RINGS.
Arlington Mfg. Co., 84 Leonard St., New York.
F. Grote & Co., 114 E. 14th St., New York.
Manning, Bowmann & Co., Meriden, Conn.
Meriden Britannia Co., Meriden, Conn.

Smith & Egge Mfg. Co., Bridgeport, Conn.
Woods, Sherwood & Co., Lowell, Mass.

3294. NASAL DOUCHES. Tyer Rubber Co., Andover, Mass.

3295. NAUTICAL INSTRUMENTS.

Henry Albrecht & Son, 62 Fulton St., New York.
Theodore Alteneder & Sons, 355 N. 10th St., Philadelphia, Pa.
John Bliss & Co., 128 Front St., New York.
Duren & Costigan, 164 Maiden Lane, New York.
Keuffel & Esser Co., 127 Fulton St., New York.
R. Merrill's Sons, 110 Wall St., New York.
Stackpole & Bro., 41 Fulton St., New York.
G. Tagliabue, 302 Pearl St., New York.
Williams & Brown, 39 S. 10th St., Philadelphia, Pa.

3296. NEEDLES.

Geo. H. Adams & Co., Hill, N. H.
American Spring & Needle Co., New Britain, Conn.
J. W. Battelle, Worcester, Mass.
Wm. Breedon & Son, Amsterdam, N. Y.
Wm. Clarke & Sons, 113 Adams St., Chicago, Ill.
Chas. Cooper, Bennington, Vt.
Robert Crowley, 86 Worth St., New York.
Dawson & Lenox, Cohoes, N. Y.
C. D. Dickinson & Son, N. Hadley, Mass.
Excelsior Needle Co., Torrington, Conn.
Franklin Needle Co., Franklin, N. H.
Hartford Specialty Mfg. Co., Hartford, Conn.
Iwan Bros., Streator, Ill.
London Needle Co., 539 E. 116th St., New York.
Lyndell & Foulds, Manchester, Conn.
National Needle Co., Springfield, Mass.
Wooding & Bradley, Hamden, Conn.

A. CROCHET NEEDLES.

Allender & Knous, Greystone, Conn.
C. J. Bates, Chester, Conn.
Cosmopolitan Mfg. Co., Newark, N. J.
M. Klein & Bro., Bridgeport, Conn.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
Potter & Snell, Deep River, Conn.

B. KNITTING NEEDLES.

Heinold Bros., 15 Market St., Chicago, Ill.
Loyal T. Ives, New Brunswick, N. J.

C. SELF THREADING NEEDLES.

New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

3297. NEEDLE CASES.

London Needle Co., 539 E. 116th St., New York.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
John Thornton, Jr., 10 Walker St., New York.

3298. NEST EGGS. Rohrbacher & Hormann, 2657 Sansom St., Philadelphia, Pa.

3299. NOTIONS.

M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
Geo. Frost & Co., 31 Bedford St., Boston, Mass.
Edward Jansen, 124 W. 19th St., New York.
Lewis Stein, 378 Canal St., New York.

3300. NOVELTIES.

A. ADVERTISING NOVELTIES.

Berger Bros, 62 Reade St., New York.
P. Goldsmith & Co., Covington, Ky.
Hampden Toy Co., Westfield, Mass.
Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.

B. BRASS NOVELTIES.

Brass Goods Mfg. Co., 88 Chambers St., New York.
G. W. & B. F. Greene & Co., Pittsburgh, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.

C. ENGRAVED NICKEL BOXES. Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.

D. GERMAN SILVER NOVELTIES. Joy & Seliger, Newark, N. J.

E. LEATHER NOVELTIES.

F. W. Klinger, 1025 Market St., Philadelphia, Pa.
Maas, Blum & Co., 370 Broadway, New York.
R. B. Cornwell & Co., Newark, N. J.
John Mehl & Co., Jersey City, N. J.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Sonneborn, Loew & Co , 79 Spring St., New York.

F. METAL NOVELTIES.

Wm. J. Doyle, Rome, N. Y.
H. L. Judd & Co., 87 Chambers St., New York.
Novelty Mfg. Co., Waterbury, Conn.
W. B. Woodman & Co., Newark, N. J.

G. PLUSH NOVELTIES.

Lewis Pattberg & Bros., Jersey City, N. J.
Sonneborn, Loew & Co., 79 Spring St., New York.
Steele & Johnson, South Main St., Waterbury, Conn.

H. STRAW BRAID NOVELTIES. Edward Jansen, 124 W. 19th St., New York.

I. SILVER NOVELTIES.

Fessenden & Co., Providence, R. I.
Joy & Seliger, Newark, N. J.

	Meriden Britannia Co., Meriden, Conn.
	Reynolds Jewelry Co., 13 Mason St., Providence, R. I.
	Geo. W. Shiebler, 8 Liberty Place, New York.
J. THERMOMETER NOVELTIES.	F. Grote & Co., 114 E. 14th St., New York.
	H. L. Judd & Co., 87 Chambers St., New York.
	J. F. Kitchell Mfg. Co., Newark, N. J.
K. WHITE METAL NOVELTIES.	The B. & M. Sign & Letter Co., Newark, N. J.
	Wilbur B. Hall, Meriden, Conn.
	Joy & Seliger, Newark, N. J.
L. WIRE NOVELTIES.	Wm. Crabb & Co., Newark, N. J.
	C. T. Williamson Wire Novelty Co., Newark, N. J.
	Woods, Sherwood & Co., Lowell, Mass.
3301. NURSERY STOCK.	Ellwanger & Barry, Rochester, N. Y.
	L. L. May & Co., St. Paul, Minn.
	Sioux City Nursery & Seed Co., Sioux City, Iowa.
	Smiths & Powell, Syracuse, N. Y.
	Storrs & Harrison Co., Painesville, Ohio.
	West Jersey Nursery Co., Bridgeton, N. J.
3302. ODOMETERS.	D. S. Plumb, Newark, N. J. *82
	McDonnell Odometer Co., 3501 Kedzie St., Chicago, Ill.
3303. ODORLESS EXCAVATORS.	
	Wm. Kumpf, 2024 E. York St., Philadelphia, Pa.
	Henry A Noble, 203 Dock St., Philadelphia, Pa.
3304. OILED DUCK.	John F. McHugh, 1263 Broadway, New York.
	H. M. Sawyer & Son, E. Cambridge, Mass.
	A. J. Tower, 18 Simmons St., Boston, Mass.
	Zittlosen Tent & Awning Co., 307 N. 4th St., St. Louis, Mo.
3305. OPERA GLASS LOANING MACHINES.	
	Opera Glass Supply Co., 12 W. 28th St., New York.
3306. OPTICAL GOODS.	
A. CAMERA LUCIDAS.	T. H. McAllister, 49 Nassau St., New York.
B. CAMERA OBSCURAS.	T. H. McAllister, 49 Nassau St., New York.
C. CLAUDE LORRAINES.	T. H. McAllister, 49 Nassau St., New York.
D. CRYSTALLIZED QUARTZ.	Enos Adams & Co., Bennington, Vt.
E. EYE TESTERS.	Johnston Optical Co., Detroit, Mich.
F. FIELD GLASSES.	Henry J. Green, 1191 Bedford Av., Brooklyn, N. Y.
	T. H. McAllister, 49 Nassau St., New York.
G. GOGGLES.	Johnston Optical Co., Detroit, Mich.
	A. Meyer's Sons, 114 William St., New York.
H. GRAPHOSCOPES.	Lewis Pattberg & Bros., Jersey City, N. J.
I. LENSES.	American Lens Mfg. Co., Katonah, N. Y.
	Bausch & Lomb Optical Co., Rochester, N. Y.
	E. S. & W. S. Fowler, 38 Madison St., Chicago, Ill.
	R. D. Gray, 76 Beekman St., New York.
	B. G. Surdam & Co., North Bennington, Vt.
J. LORGNETTES.	Spencer Optical Mfg. Co., 15 Maiden Lane, New York.
K. MAGNIFYING GLASSES.	Johnston Optical Co., Detroit, Mich.
L. MARINE GLASSES.	W. H. Walmsley & Co., 1016 Chestnut St., Philadelphia, Pa.
M. MICROSCOPES.	Bausch & Lomb Optical Co., Rochester, N. Y.
	Walker H. Bullock, 99 W. Monroe St., Chicago, Ill.
	W. H. Walmsley & Co., 1016 Chestnut St., Philadelphia, Pa.
	Jos. Zentmayer, 209 S. 11th St., Philadelphia, Pa.
N. MICROSCOPE SLIDE CABINETS.	Milton Bradley, Springfield, Mass.
O. OPERA GLASS BAGS.	Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
	Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
	Spencer Optical Mfg. Co., 15 Maiden Lane, New York.
P. OPERA GLASSES.	Geo. H. Eaton & Co., Boston, Mass.
	J. F. Fradley, 23 John St., New York.
	Henry J. Green, 1191 Bedford Av., Brooklyn, N. Y.
	Julius King Optical Co., Cleveland, O.
	W. H. Walmsley & Co., 1016 Chestnut St., Philadelphia, Pa.
Q. OPERA GLASSES, COLLAPSIBLE.	Geo. H. Eaton & Co., 8 Mt. Washington Av., Boston, Mass.
R. READING GLASSES.	Henry J. Green, 1191 Bedford Av., Brooklyn, N. Y.
	Johnston Optical Co., Detroit, Mich.
	Meriden Britannia Co., Meriden, Conn.
S. SPY GLASSES.	Spencer Optical Mfg. Co., 15 Maiden Lane, New York.
	Warner & Swazey, Cleveland, O.
T. SPY GLASS CASES.	Leatheroid Mfg. Co., Kennebunk, Me.
	Edward Simon & Bros., Newark, N. J.
U. STEREOGRAPHOSCOPES.	Lewis Pattberg & Bros., 105 Franklin St., Jersey City, N. J.
	H. C. White, N. Bennington, Vt.
V. STEREOSCOPES.	Lewis Pattberg & Bros., Jersey City, N. J.

H. C. White, N. Bennington, Vt.
W. STEREOSCOPIC LENSES. H. C. White, N. Bennington, Vt.
X. WATCHMAKERS' GLASSES. Johnston Optical Co., Detroit, Mich.

3307. ORANGE SIZERS. Cairns & Pearson, De Land, Fla.

3308. OX MUZZLES. Bromwell Brush & Wire Goods Co., 181 Walnut St., Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
C. O. Jeliff & Co., Southport, Conn.
Fred. J. Meyers Mfg. Co., Covington, Ky.

3309. OX YOKES & BOWS. A. B. Farquhar & Co., York, Pa.
Iowa Farming Tool Co., Fort Madison, Iowa.
Sinclair-Scott Mfg. Co., Baltimore, Md. *116

3310. OXY-CALCIUM LIGHT APPARATUS.
J. B Colt & Co., 16 Beekman St., New York.

3311. PALM LEAF. N. L. Johnson, Dana, Mass.

3312. PAPER BOTTLES. R. H. Thomas Co., 25 Lake St., Chicago, Ill.

3313. PAPER PLATES. Crume & Sefton Mfg. Co., Dayton, O.

3314. PAPER STRAWS. M. C. Stone, Washington, D. C.

3315. PAPIER MACHE ARTICLES.
Henry Berger Sons, 101 4th Av., New York.
J. & J. Morrison, 235 E. 42d St., New York.
H. Sinclair's Sons, 327 7th Av., New York.

3316. PATTERNS.
A. PAPER PATTERNS. Butterick Publishing Co., 11 W. 13th St., New York.
W. Jennings Demorest, 15 E. 14th St., New York.
James McCall & Co., 46 E. 14th St., New York.
Universal Fashion Co., 40 E. 12th St., New York.
B. STAMPING PATTERNS. Aug. Bernard, 401 Canal St., New York.

3317. PEDOMETERS. McDonnell Odometer Co., 350 Kedzie St., Chicago, Ill.

3318. PETROLATUM. Binghamton Oil Mfg. Co., Binghamton, N. Y.
Chesebrough Mfg. Co., 24 State St., New York.
Cleveland Petrolatum Co., Cleveland, O.
Colgate & Co., 55 John St., New York.
Dreher Mfg. Co., 37 Platt St., New York.
W. H. Schieffelin & Co., 170 William St., New York.

3319. PHARMACEUTICAL APPARATUS.
Bullock & Crenshaw, 528 Arch St., Philadelphia, Pa.

3320. PHILOSOPHICAL INSTRUMENTS.
Theo. Alteneder & Sons, 355 N. 10th St., Philadelphia, Pa.
Bahmann & Hoehn, 44 College Place, New York.
Duren & Costigan, 164 Maiden Lane, New York.
Wm. Gardam & Sons, 98 John St., New York.
R. Merrill's Sons, 110 Wall St., New York.
Stackpole & Bro., 41 Fulton St., New York.
G. Tagliabue, 302 Pearl St., New York
Williams & Brown, 39 S. 10th St., Philadelphia, Pa.

3321. PHOTOGRAPH CASES. Chas. F. Rumpp & Sons, 116 N 4th St., Philadelphia, Pa.

3322. PHOTOMETERS. American Meter Co., Cincinnati, O.
Helme & McIlhenny, 1339 Cherry St., Philadelphia, Pa.
D. McDonald & Co., Albany, N. Y.
Nathaniel Tufts, 153 Franklin St., Boston, Mass.

3323. PIANO COVERS. Brussels Tapestry Co., Ardsley, N. Y.
Goodyear Rubber Co., 487 Broadway, New York.
Heidelberger, Frank & Co.. 816 Cherry St., Philadelphia, Pa.
Henry Holtzman & Sons, Pittsburgh, Pa.
W. W. Kimball Co., 26th & Rockwell Sts., Chicago, Ill.
Lyon & Healy, State & Monroe Sts., Chicago, Ill.
Neppert Bros., 390 Canal St., New York.
H. W. Plant, 102 Walker St., New York.
A. PIANO SCARFS. Rowe & Heller, 730 Arch St., Philadelphia, Pa.
D. E. Sicher & Co., 50 Howard St., New York.

3324. PILLOW SHAMS. Kursheedt Mfg. Co., 192 S. 5th Av., New York.
Rowe & Heller, 730 Arch St., Philadelphia, Pa.
D. E. Sicher & Co., 50 Howard St , New York.
Siegel Bros., 65 Wooster St., New York.

3325. PILLOW SHAM HOLDERS.
Shepard & Co., Fulton, N. Y.

3326. PINS. American Pin Co., Waterbury, Conn.
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Foster, Merriam & Co., Meriden, Conn.
Howe Mfg. Co., Birmingham, Conn.
Jewell Belting Co., Hartford, Conn.
Jewell Pin Co., Hartford, Conn.
Judson Pin Works, Rochester, N. Y.
National Pin Co., Detroit, Mich.
New England Pin Co., Winsted, Conn.

Oakville Co., Waterbury, Conn.
C. M. & G. P. Pelton, Poughkeepsie, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
United States Pin Co., Seymour, Conn.

A. BRASS PINS.
American Pin Co., Waterbury, Conn.
Great Western Pin Co., Toledo, O.
Landers, Frary & Clark, New Britain, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.

B. BUTTON PINS.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

C. DRAPERY PINS.
American Pin Co., Waterbury, Conn.
Turner Seymour Mfg. Co., Torrington, Conn.

D. HAT PINS.
American Pin Co., Waterbury, Conn.
American Ring Co., Waterbury, Conn.
Foster, Merriam & Co., Meriden, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
Meriden Malleable Iron Co., Meriden, Conn.

E. HEADLESS PINS.
American Pin Co., Waterbury, Conn.

F. IRON PINS.
American Pin Co., Waterbury, Conn.

G. SAFETY PINS.
American Pin Co., Waterbury, Conn.
Benedict & Burnham Mfg. Co., Waterbury, Conn. *51
Brass Goods Mfg. Co., 254 State St., Brooklyn, N. Y.
Oakville Co., Waterbury, Conn.
Homer Twitchell & Son, Union City, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Button Co., Waterbury, Conn.

H. TAG PINS.
American Pin Co., Waterbury, Conn.

I. TOILET PINS.
Howe Mfg. Co., Birmingham, Conn.
Jewell Belting Co., Hartford, Conn.
Jewell Pin Co., Hartford, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.

3327. PIN CUSHIONS.
Arlington Mfg. Co., 84 Leonard St., New York.
Brass Goods Mfg. Co., 254 State St., Brooklyn, N. Y.
F. Grote & Co., 114 E. 14th St , New York.

3328. PLANT BOXES.
J. W. Fiske, 28 Park Place, New York.

3329. PLAQUES.
American Pin Co., Waterbury, Conn.
Bristol Brass & Clock Co., Forestville, Conn.
Dibble Mfg. Co., Trenton, N. J.
E. S. Johnson & Co., 26 Maiden Lane, New York.
H. L. Judd & Co., 87 Chambers St., New York.
Koch, Sons & Co., 543 Pearl St., New York.
Palmer Mfg. Co., 290 Pearl St., New York.
Smith & Stevens Mfg. Co., 83 Murray St., New York.
Worcester Plate Co., Worcester, Mass.

A. PLAQUE & PLATE HANGERS.
American Buckle & Cartridge Co., West Haven, Conn.
Ledig & Way, 248 N. 8th St., Philadelphia, Pa.
Palmer Mfg. Co., 290 Pearl St., New York.
Woods, Sherwood & Co., Lowell, Mass.

3330. PLATINUM WARE.
Eimer & Amend, 205 3d Av., New York.

3331. PLUGS, WOODEN.
Redlich Mfg. Co., 375 N. Clark St., Chicago, Ill.
Henry Maas, San Francisco, Cal.

A. DECK PLUGS.
J. A. Dubuar Mfg. Co. Northville, Mich.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.

B. GLUE PLUGS.
U. S. Bung Mfg. Co., 173 Kent Av., Brooklyn, N. Y.

3332. PNEUMATIC DESPATCH SYSTEMS.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Meteor Despatch Co., 853 Broadway, New York.

A. PNEUMATIC DESPATCH TUBES.
Zimdars & Hunt, 237 Mercer St., New York.

3333. PNEUMATIC SIGNALS.
W. R. Ostrander & Co., 195 Fulton St., New York.

3334. POCKETBOOKS.
Bates Bros., Athol, Mass.
Culbert & Co., 24 Maiden Lane, New York.
Joseph Eckelhofer, Newark, N. J.
Ira I. England, Providence, R. I.
F. W. Klinger, 1025 Market St., Philadelphia, Pa.
Wm. A. Haines, 135 N. 7th St., Philadelphia, Pa.
P. W. Lambert & Co., 46 Howard St., New York.
Langfeld Bros. & Co., 723 Arch St., Philadelphia, Pa.
Maas, Blum & Co., 370 Broadway, New York.
John Mehl & Co., Jersey City, N. J.
T. B. Peddie & Co., Newark, N. J.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Scheuer & Bro., 359 Broadway, New York.
Weil & Livingston, 81 White St., New York.
Rudolph Wolff & Co., 506 Broadway, New York.

A. PORTEMONNAIES.
Bates Bros., Athol, Mass.

Culbert & Co., 24 Maiden Lane, New York.
Meriden Britannia Co., Meriden, Conn.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Rudolph Wolff & Co., 506 Broadway, New York.

B. PURSES.
Arms Mfg. Co., S. Deerfield, Mass.
Bates Bros., Athol, Mass.
Culbert & Co., 24 Maiden Lane, New York.
E. S. Johnson & Co., 26 Maiden Lane, New York.
Lehman & Clark, Hoboken, N. J.
Maas, Blum & Co., 370 Broadway, New York.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Scheuer & Bro., 359 Broadway, New York.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.

3335. POLARISCOPES.
Eimer & Amend, 205 3d Av., New York.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.

3336. POLICE EQUIPMENTS.
Horstmann Bros. & Co., N. 5th & Cherry Sts., Philadelphia, Pa.
John P. Lovell Arms Co., 147 Washington St., Boston, Mass.
Tower & Lyon, 95 Chambers St., New York.

3337. POLISH, LEATHER.

A. PATENT LEATHER POLISH.
Button & Thurston, 71 Barclay St., New York.
L. M. West Mfg. Co., Rockford, Ill.

B. RUSSET LEATHER POLISH.
Button & Thurston, 71 Barclay St., New York.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

C. SHOE BLACKING, PASTE.
H. A. Bartlett & Co., 115 N. Front St., Philadelphia, Pa.
S. M. Bixby & Co., 194 Hester St., New York.
B. F. Brown & Co., 156 Commercial St., Boston, Mass.
Button & Thurston, 71 Barclay St., New York.
Martell Blacking Co., 405 5th Av., Chicago, Ill.
James S. Mason Co., 140 N. Front St., Philadelphia, Pa.
Frank Miller & Sons, 349 W. 26th St., New York. *17
Geo. A. Moss, 165 Reade St., New York.
O. O. Patten & Co., Brockton, Mass.
J. L. Prescott & Co., N. Berwick, Me.
Restorff & Bettman, 79 Pine St., New York.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.
Geo. H. Wood & Co., 436 Atlantic Av., Boston, Mass.

D. SHOE BRONZES.
Whittemore Mfg. Co., 31 South St., Boston, Mass.

E. SHOE DRESSING.
H. A. Bartlett & Co., 115 N. Front St., Philadelphia, Pa.
B. F. Brown & Co., 156 Commercial St., Boston, Mass.
Buffalo Specialty Mfg. Co., 67 Washington St., Buffalo, N. Y.
Button & Thurston, 71 Barclay St., New York.
Continental Mfg. Co., 330 N. 3d St., Philadelphia, Pa.
Eclipse Cement Co., 1240 N. 44th St., Philadelphia, Pa.
C. L. Hauthaway & Sons, 233 Congress St., Boston, Mass.
Martell Blacking Co., 405 5th Av., Chicago, Ill.
Jas. S. Mason & Co., 140 N. Front St., Philadelphia, Pa.
Frank Miller & Sons, 349 W. 26th St., New York. *17
Geo. A. Moss, 165 Reade St., New York.
Restorff & Bettman, 70½ Pine St., New York.
Society Mfg. Co., Camden, N. J.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.
Geo. H. Wood & Co., 436 Atlantic Av., Boston, Mass.

F. SHOE POLISH.
Chas. F. Baker & Co., 50 Lincoln St., Boston, Mass.
B. F. Brown & Co., 156 Commercial St., Boston, Mass.
Button & Thurston, 71 Barclay St., New York.
C. L. Hauthaway & Sons, 233 Congress St., Boston, Mass.
J. L. Hawley, Plymouth, Ind.
Whittemore Bros. & Co., 237 Albany St., Boston, Mass.

3338. POLISH, METAL.
Borsum Bros., 93 Cliff St., New York.
Matchless Metal Polish Co., 88 Market St., Chicago, Ill.

A. NICKEL POLISH.
Matchless Metal Polish Co., 88 Market St., Chicago, Ill.
Yates & Co., Rockford, Ill.

B. POLISHING LIQUID.
F. J. Kuhne, 18 Front St., New York.
Matchless Metal Polish Co., 88 Market St., Chicago, Ill.
Michael Niver, Niverville, N. Y.

C. POLISHING PASTE.
Borsum Bros., 93 Cliff St., New York.
W. W. Callery & Co., Pittsburgh, Pa.
A. Gohring & Co., 202 William St., New York.
Greenwich Mfg. Co., 56 Vesey St., New York.
Matchless Metal Polish Co., 88 Market St., Chicago, Ill.
Geo. A. Moss, 165 Reade St., New York.

D. POLISHING POWDER.
Electro Silicon Co., 72 John St., New York.
Greenwich Mfg. Co., 56 Vesey St., New York.
La Plaisance Mfg. Co., Monroe, Mich.
Matchless Metal Polish Co., 88 Market St., Chicago, Ill.
Modoc Tripoli Mining Co., 74 Johnson Building, Cincinnati, O.

E. SILVER POLISH.
Electro Silicon Co., 72 John St., New York.
Dennison Mfg. Co., 26 Franklin St., Boston, Mass.
Matchless Metal Polish Co., 88 Market St., Chicago, Ill.
Meriden Britannia Co., Meriden, Conn.
Reed & Barton, Taunton, Mass.
Chas. A. Tuell, New Bedford, Mass.

F. STOVE PIPE ENAMEL.
C. W. Hart, Troy, N. Y.
B. D. Milliken & Co., 142 Commercial St., Boston, Mass.
Nubian Iron Enamel Co., Bloomingdale Av., Chicago, Ill.

G. STOVE POLISH.
American Chemical Mfg. & Mining Co., Rochester, N. Y.
Atlas Paint Co., Pittsburgh, Pa.
H. A. Bartlett & Co., 115 N. Front St., Philadelphia, Pa.
Carbon Mfg. Co., Jersey City, N. J.
Jos. Dixon Crucible Co., Jersey City, N. J.
Hall & Atwell, 90 Broad St., Boston, Mass.
C. W. Hart, Troy, N. Y.
Morse Bros., Canton, Mass.
Geo. A. Moss, 165 Reade St., New York.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
Nicket Plate Stove Polish Co., 23 River St., Chicago, Ill.
Phœnix Plumbago Mining Co., 1712 N. 9th St., Philadelphia, Pa.
A. L. Prescott & Co., North Berwick, Me.
Troy Paint & Color Works, Troy, N. Y.
Yates & Co., Rockford, Ill.

H. STOVE POLISH, LIQUID.
C. W. Hart, Troy, N. Y.
S. Obermayer Fdry. Sup. Mfg. Co., Evans, S. of 8th St., Cin., O.*54
Thallman Mfg. Co., Baltimore, Md.

3339. PORTABLE SMOKE HOUSES.
B. Stanbach, 235 Greenwich St., New York.

3340. POSTAL CAR RACKS.
Harrison Postal Bag Rack Co., Fond-du-Lac, Wis.

3341. POST OFFICE BOXES.
Scovill Mfg. Co., Waterbury, Conn.
Sidney Shepard & Co., Buffalo, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

3342. POULTRY FOUNTAINS, GALVANIZED.
Iron Clad Mfg. Co., 22 Cliff St., New York.

3343. POWDER, INSECT.
Allaire, Woodward & Co., Peoria, Ill.
W. C. Alpers, Bayonne, N. J.
J. C. Bowe, Syracuse, N. Y.
Buhach Producing & Mfg. Co., Stockton, Cal.
French, Richard & Co., 1001 Market St., Philadelphia, Pa.
McKesson & Robbins, 91 Fulton St., New York.
Parke, Davis & Co., Detroit, Mich.
Peabody & Parks, Troy, N. Y.
Petaluma Incubator Co., Petaluma, Cal.
Tyler & Finch, 54 Cedar St., New York.

3344. RENNET TABLETS.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Chr. Hansen's Laboratory, Litttle Falls, N. Y.

3345. RESTAURANT STEAM TABLES.
Bramhall, Deane & Co., 264 Water St., New York.
Reed & Barton, Taunton, Mass.

3346. RETICULES.
A. Meinecke & Son, Milwaukee, Wis.

3347. ROBES, CARRIAGE.
J. H. Bishop Co., Wyandotte, Mich.
Buell Mfg. Co., St. Joseph, Mo.
O. F. Day, Son & Co., Baltimore, Md.
B. H. Helming & Co., Milwaukee, Wis.
C. P. Kimball & Co., Wabash Av. & Harrison St., Chicago, Ill.
D. M. Lane's Sons, 3432 Market St., Philadelphia, Pa.
Newichawanick Co., South Berwick, Me.
Northern Ohio Blanket Mills, Cleveland, O.
North Star Woolen Mill Co., Minneapolis, Minn.
Pontoosuc Woolen Mfg. Co., Pittsfield, Mass.
Wm. B. Riley & Co., 507 Arch St., Philadelphia, Pa.
Sanford Mills, Sanford, Me.
San Francisco Pioneer Woolen Factory, San Francisco, Cal.
Saxonville Mills, 7½ Beacon St., Boston, Mass.
J. Wiss & Sons, Newark, N. J.
L. Zechiel, 554 Broadway, New York.

A. CARRIAGE LAP DUSTERS.
Wm. Ayres & Sons, 711 Market St., Philadelphia, Pa.

B. CARRIAGE RUGS.
Nease, McLean & McGinniss, Pittsburgh, Pa.
Sanford Mills, Sanford, Me.

C. FUR ROBES.
M. Friendly, Elmira, N. Y.
Wm. S. Hansell & Sons, 114 Market St., Philadelphia, Pa.
Lowerre & Co., 511 Broadway, New York.
Matteawan Mfg. Co., Matteawan, N. Y.
S. Reineman, 160 Mercer St., New York.

J. Ruszits, 77 Mercer St., New York.
Treadwell & Co., Albany, N. Y.

D. LAP ROBES.
Wm. Ayres & Sons, 711 Market St., Philadelphia, Pa.
Conrad B. Day & Co., 33 N. 3d St., Philadelphia, Pa.
Goodyear Rubber Co., 487 Broadway, New York.
Albert Kelsey, 28 Warren St., New York.
Kennedy, Willing & Co., 524 Arch St., Philadelphia, Pa.
Lowerre & Co., 511 Broadway, New York.
Matteawan Mfg. Co., Matteawan, N. Y.
Northern Ohio Blanket Mill, Cleveland, O.
Peters & Calhoun Co., 33 Warren St., New York. *7
Pontoosuc Woolen Mfg. Co., Pittsfield, Mass.
Wm. B. Riley & Co., 507 Arch St., Philadelphia, Pa.

E. PLUSH ROBES.
Beattie Mfg. Co., Little Falls, N. J.
Sanford Mills, Sanford, Me.

3348. RULING PENS.
W. O. Hickok Mfg. Co., Harrisburg, Pa. *204

3349. SAFES AND VAULTS.

A. BANK VAULTS.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Cincinnati Safe & Lock Co., 41 Elm St., Cincinnati, O.
Globe Iron Works, 35 Indiana St., Chicago, Ill.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
National Safe & Lock Co., Cleveland, O.
Scherpe & Koken Architectural Iron Co., Park Av., St. Louis, Mo.
Thomsen & Co., New Haven, Conn.
Victor Safe & Lock Co., Broadway & 9th St., Cincinnati, O.
York Safe & Lock Co., York, Pa.

B. BURGLAR & FIRE PROOF SAFES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Wm. G. Fischer Mfg. Co., Cincinnati, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
E. C. Morris & Co., 64 Sudbury St., Boston, Mass.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
National Safe & Lock Co., Cleveland, O.
Thomson & Co., New Haven, Conn.
Victor Safe & Lock Co., Broadway & 9th St., Cincinnati, O.
York Safe & Lock Co., York, Pa.

C. CASH & BOND BOXES, IRON.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
Victor Safe & Lock Co., Broadway & 9th St., Cincinnati, O.
York Safe & Lock Co., York, Pa.

D. CHESTS, IRON.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
York Safe & Lock Co., York, Pa.

E. COMBINATION LOCKS.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Miller Lock Co., Frankford, Philadelphia, Pa.
National Safe & Lock Co., Cleveland, O.

F. HOUSE SAFES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Wm. G. Fischer Mfg. Co., Cincinnati, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
Thomson & Co., New Haven, Conn.
Victor Safe & Lock Co., Broadway & 9th St., Cincinnati, O.
York Safe & Lock Co., York, Pa.

G. JEWELERS' SAFES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.

Wm. G. Fischer Mfg. Co., Cincinnati, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
Thomson & Co., New Haven, Conn.
York Safe & Lock Co., York, Pa.

H. ROUND SAFES.
Corliss Safe & Vault Door Co., Providence, R. I.
Wm. G. Fischer Mfg. Co., Cincinnati, O.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.

I. SAFE DEPOSIT BOXES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
National Safe & Lock Co., Cleveland, O.
Thomson & Co., New Haven, Conn.
York Safe & Lock Co., York, Pa.

J. SAFE DOORS.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Jackson Architectural Iron Works, 315 E. 28th St., New York.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
Thomson & Co., New Haven, Conn.

K. SAFE LOCKS.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
National Safe & Lock Co., Cleveland, O.
Sargent & Greenleaf, Rochester, N. Y.
Victor Safe & Lock Co., Broadway & 9th St., Cincinnati, O.
Yale & Towne Mfg. Co., Stamford, Conn.
York Safe & Lock Co., York, Pa.

L. SILK SAFES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
Thomson & Co., New Haven, Conn.
York Safe & Lock Co., York, Pa.

M. SPECIE SAFES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Diebold Safe & Lock Co., Canton, O.
Herring & Co., 251 Broadway, New York.
Marvin Safe Co., 88 S. 5th Av., New York.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
Thomson & Co., New Haven, Conn.
York Safe & Lock Co., York, Pa.

N. TIME LOCKS.
Barnes Safe & Lock Co., Pittsburgh, Pa.
Consolidated Time Lock Co., 161 W. 3d St., Cincinnati, O.
Diebold Safe & Lock Co., Canton, O.
Macneal & Urban, Hamilton, O.
Mosler Safe & Lock Co., 96 Elm St., Cincinnati, O.
Sargent & Greenleaf, Rochester, N. Y.
Yale & Towne Mfg. Co., Stamford, Conn.

O. VAULT DOORS & GATES.
Barnes Safe & Lock Co., Pittsburgh, Pa.
J. C. Bolles & Co., Detroit, Mich.
Cincinnati Safe & Lock Co., 41 Elm St., Cincinnati, O.
Diebold Safe & Lock Co., Canton, O.
Hall's Safe & Lock Co., 183 W. Pearl St., Cincinnati, O.
Herring & Co., 251 Broadway, New York.
Macneal & Urban, Hamilton, O.
Marvin Safe Co., 88 S. 5th Av., New York.
E. C. Morris & Co., 64 Sudbury St., Boston, Mass.
Mosler Safe Co., 787 Broadway, New York.
Thomson & Co., New Haven, Conn.
York Safe & Lock Co., York, Pa.

3350. SAILS.
J. H. Adams & Sons, Baltimore, Md.
Cousens & Pratt, 3 Commercial St., Boston, Mass.
Currier & Hook, Bangor, Me.
W. A. Davis & Son, Newburyport, Mass.
Dunn & Elliot, Thomaston, Me.
J. & J. Fowler, Portland, Me.
A. Gerdes & Bro., New Orleans, La.

J. B. Gifford, Fall River, Mass.
J. W. Grover & Son, Cleveland, O.
Lewis Hess, 308 S. Delaware Av., Philadelphia, Pa.
Holway Bros. & Woodbury, 130 Commercial St., Boston, Mass.
Lamprell & Marble, 357 Commercial St., Boston, Mass.
Lincoln & Allen, Portland, Me.
H. Marwitz & Co., Galveston, Tex.
W. McGee & Son, Baltimore, Md.
Geo. Matthews & Co., 81 Commercial St., Boston, Mass.
Zach. R. Mitchell, Baltimore, Md.
W. C. Noon & Co., Portland, Ore.
Daniel Norton, 132 Broad St., Boston, Mass.
F. A. Paine & Co., Provincetown, Mass.
D. Provoost, Sons & Co., Buffalo, N. Y.
Wm. Robinson & Co., 31 Commercial St., Boston, Mass.
E. L. Rowe & Son, Gloucester, Mass.
Isaac A. S. Steele, Gloucester, Mass.
S. S. Thorp & Co., 157 South St., New York.
Upson, Walton & Co., Cleveland, O.
Van Name & King, New Haven, Conn.
Wilson & Griffin, 115 South St., New York.

A. CANOE SAILS.
J. W. Grover & Son, Cleveland, O.
S. Hemmenway, 39 South St., New York.
E. L. Parrish & Co., Buffalo, N. Y.
St. Lawrence River Skiff, Canoe & Steam Launch Co., Clayton, N. Y.
Upson, Walton & Co., Cleveland, O.

B. YACHT SAILS.
J. B. Gifford, Fall River, Mass.
J. W. Grover & Son, Cleveland, O.
J. H. McManus & Son, 57 Commercial Wharf, Boston, Mass.
E. P. Parrish & Co., Buffalo, N. Y.
Upson, Walton & Co., Cleveland, O.
Wilson & Griffin, 115 South St., New York.

3351. SAP SPOUTS.
G. H. Griffin Mfg. Co., Hudson, O.
Chas. Millar & Son, Utica, N. Y.
C. C. Post, Burlington, Vt.
Record Mfg. Co., Conneaut, O.

3352. SATCHELS.
Abel, Bach & Fitzgerald, Milwaukee, Wis.
American Novelty Shoe Co., 628 Cherry St., Philadelphia, Pa.
P. Breidenbach, 29 Warren St., New York.
R. B. Cornwell & Co., Newark, N. J.
A. F. Eggers & Co., Newark, N. J.
Edgar Farmer & Co., Newark, N. J.
A. Hahn & Co., 296 Broadway, New York.
Haskell Bros., 52 Madison, St., Chicago, Ill.
J. Lagowitz & Co., 473 Broadway, New York.
Henry Lissa & Co., 595 Broadway, New York.
John F. McHugh, 1263 Broadway, New York.
T. B. Peddie & Co., Newark, N. J.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Scheuer & Bro., 359 Broadway, New York.
Volger & Guedtner, 210 Madison St., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.
Otto Zimmer, 85 Warren St., New York.

3353. SAW BUCKS.
E. C. Atkins & Co., Indianapolis, Ind. *198
Henry Disston & Sons, Tacony & N. Front Sts., Phila., Pa.
Iowa Farming Tool Co., Fort Madison, Iowa.
I-X-L Pump Co., Goshen, Ind.
Paris Mfg. Co., South Paris, Me.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Union Mfg. Co., Toledo, O.

3354. SAWING MACHINES, FOLDING.
Folding Saw Machine Co., 311 S. Canal St., Chicago. Ill.

3355. SCALES.

A. AUTOMATIC SCALES.
American Machine Co., Lehigh Av. & American St., Phila., Pa.
Buffalo Scale Co., Buffalo, N. Y.
Case Mfg. Co., Columbus, O.
Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
Jones of Binghamton, Binghamton, N. Y.
Pratt & Whitney Co., Hartford, Conn.

B. ASSAY BALANCES.
Becker Bros., New Rochelle, N. Y.
Fairbanks Co., 311 Broadway, New York.
Herman Kohlbusch, 59 Nassau St., New York.

C. BUTCHERS' BALANCES.
Buffalo Scale Co., Buffalo, N. Y.
John Chatillon & Son, 85 Cliff St., New York.
Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
Chas. Forschner & Son, 41 Rivington St., New York.

	Landers, Frary & Clark, New Britain, Conn.
D. CHEMISTS' & DRUGGISTS' SCALES.	Becker Bros., New Rochelle, N. Y.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Herman Kohlbusch, 59 Nassau St., New York.
	Henry Troemner, 710 Market St., Philadelphia, Pa.
E. COAL SCALES.	Buffalo Scale Co., Buffalo, N. Y.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Jones of Binghamton, Binghamton, N. Y.
F. COTTON BEAMS.	Buffalo Scale Co., Buffalo, N. Y.
	John Chatillon & Son, 85 Cliff St., New York.
	Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Forsyth Scale Co., Youngstown, O.
	Jones of Binghamton, Binghamton, N. Y.
	Memphis Scale & Mfg. Co., Memphis, Tenn.
G. COUNTER SCALES.	American Machine Co., Lehigh Av. & American St., Phila., Pa.
	Brittan, Graham & Mathes, 411 Wood St., Pittsburgh, Pa.
	Buffalo Scale Co., Buffalo, N. Y.
	John Chatillon & Son, 85 Cliff St., New York.
	Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Howe Scale Co. of 1886, Rutland, Vt.
	Jones of Binghamton, Binghamton, N. Y.
	Kinzer & Jones Mfg. Co., Pittsburgh, Pa.
	Knowles Scale Co., Lowell, Mass.
	Herman Kohlbusch, 59 Nassau St., New York.
	Landers, Frary & C'ark, New Britain, Conn.
	Nimick & Brittan Mfg. Co., Pittsburgh, Pa.
	Rensselaer Mfg. Co., Troy, N. Y.
	I. S. Spencer's Sons, Guilford, Conn.
	Henry Troemner, 710 Market St., Philadelphia, Pa.
H. DAIRY SCALES.	Buffalo Scale Co., Buffalo, N. Y.
	John Chatillon & Son, 85 Cliff St., New York.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Jones of Binghamton, Binghamton, N. Y.
	Rensselaer Mfg. Co., Troy, N. Y.
I. DIAMOND SCALES.	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Herman Kohlbusch, 59 Nassau St., New York.
	Henry Troemner, 710 Market St., Philadelphia, Pa.
J. FAMILY SCALES.	Buffalo Scale Co., Buffalo, N. Y.
	John Chatillon & Son, 85 Cliff St., New York.
	Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Jones of Binghamton, Binghamton, N. Y.
	Landers, Frary & Clark, New Britain, Conn.
	Nolan Scale Co., 97 Oliver St., Boston, Mass.
	Rensselaer Mfg. Co., Lansingburgh, N. Y.
K. FINE BALANCES & WEIGHTS.	Becker Bros., New Rochelle, N. Y.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Herman Kohlbusch, 59 Nassau St., New York.
L. GOLD & SILVER SCALES.	Becker Bros., 6 Murray St., New York.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Herman Kohlbusch, 59 Nassau St., New York.
	Henry Troemner, 710 Market St., Philadelphia, Pa.
M. GRAIN SCALES.	Buffalo Scale Co., Buffalo, N. Y.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Jones of Binghamton, Binghamton, N. Y.
	Herman Kohlbusch, 59 Nassau St., New York.
	Selby, Starr & Co., Peoria, Ill.
	Spangler Mfg. Co., York, Pa.
	Warren & Durfee Mfg. Co., Decatur, Ill.
N. GRAIN SCALES, AUTOMATIC.	Case Mfg. Co., Columbus, O.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Pratt & Whitney Co., Hartford, Conn.
O. HAY SCALES.	Buffalo Scale Co., Buffalo, N. Y.
	Fairbanks Co., 311 Broadway, New York.
	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
	Jones of Binghamton, Binghamton, N. Y.

P. HOPPER BEAMS.	Buffalo Scale Co., Buffalo, N. Y. Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. United States Scale Co., Terre Haute, Ind.
Q. ICE SCALES.	Buffalo Scale Co., Buffalo, N. Y. John Chatillon & Son, 85 Cliff St., New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Knickerbocker Ice Co., 6th & Arch Sts., Philadelphia, Pa.
R. JEWELERS' BALANCES.	Becker Bros., New Rochelle, N. Y. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Herman Kohlbusch, 59 Nassau St., New York.
S. MARKET SCALES.	Buffalo Scale Co., Buffalo, N. Y. John Chatillon & Son, 85 Cliff St., New York. Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Weeks & Ray, Buffalo, N. Y.
T. MINERS' SCALES.	Buffalo Scale Co., Buffalo, N. Y. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
U. PLATFORM SCALES.	Buffalo Scale Co., Buffalo, N. Y. John Chatillon & Son, 85 Cliff St., New York. Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Forsyth Scale Co., Youngstown, O. Howe Scale Co. of 1886, Rutland, Vt. Jones of Binghamton, Binghamton, N. Y. Herman Kohlbusch, 59 Nassau St., New York. Rensselaer Mfg. Co., Lansingburgh, N. Y. Weeks & Ray, Buffalo, N. Y.
V. POCKET SCALES.	Herman Kohlbusch, 59 Nassau St., New York. Lane Mfg. Co., Waterbury, Conn.
W. PRECISION SCALES & WEIGHTS.	Becker Bros., New Rochelle, N. Y. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Herman Kohlbusch, 59 Nassau St., New York.
X. PRESCRIPTION POCKET SCALES.	Fairbanks Co., 311 Broadway, New York. Herman Kohlbusch, 59 Nassau St., New York. N. V. Randolph & Co., Richmond, Va.
Y. SCALE & TRUCK, COMBINED.	W. C. James Combn. Scale Truck Co., 91 South St., Boston, Mass.
Z. SCALE BEAMS.	Buffalo Scale Co., Buffalo, N. Y. John Chatillon & Son, 85 Cliff St., New York. Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill. Fairbanks Co., 311 Broadway, New York. Landers, Frary & Clark, New Britain, Conn. Peck, Stow & Wilcox Co., Southington, Conn.
AA. SCALE TESTING MACHINES.	Buffalo Scale Co., Buffalo, N. Y.
BB. SCALE WEIGHTS.	Becker Bros., New Rochelle, N. Y. Buffalo Scale Co., Buffalo, N. Y. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Herman Kohlbusch, 59 Nassau St., New York.
CC. SPRING BALANCES.	Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Landers, Frary & Clark, New Britain, Conn. Peck, Stow & Wilcox Co., Southington, Conn. Springer Torsion Balance Co., 92 Reade St., New York.
DD. STEEL YARDS.	Bemis & Call Hardware & Tool Co., Springfield, Mass. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Landers, Frary & Clark, New Britain, Conn. Peck, Stow & Wilcox Co., Southington, Conn.
EE. STOCK SCALES.	Buffalo Scale Co., Buffalo, N. Y. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Forsyth Scale Co., Youngstown, O. Jones of Binghamton, Binghamton, N. Y. United States Scale Co., Terre Haute, Ind.
FF. TRACK SCALES.	Buffalo Scale Co., Buffalo, N. Y. Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill. Fairbanks Co., 311 Broadway, New York. Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill. Jones of Binghamton, Binghamton, N. Y.
GG. WAGON SCALES.	Buffalo Scale Co., Buffalo, N. Y. Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.

Fairbanks Co., 311 Broadway, New York.
Fairbanks, Morse & Co., Lake & La Salle Sts., Chicago, Ill.
Jones of Binghamton, Binghamton, N. Y.
United States Scale Co., Terre Haute, Ind.

3356. SCARF PINS, ELECTRIC.
Frederick Pearce, 77 John St., New York.

3357. SCOOPS, GROCERS'.
Crandall & Godley, 157 Franklin St., New York.
Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Nicol & Co., 23 River St., Chicago, Ill.
St. Louis Stamping Co., Cass Av. & N. 2d St., St. Louis, Mo.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
W. H. Sweeney Mfg. Co., 240 Water St., New York.

3358. SEA LEADS.
Alfred B. Sands & Son, 134 Beekman St., New York. *118

3359. SEEDS, BULBS & PLANTS.
Burpee W. Atlee & Co., 475 N. 5th St., Philadelphia, Pa.
Robert Buist, Jr., 922 Market St., Philadelphia, Pa.
D. I. Bushnell & Co., 109 N. 2nd St., St. Louis, Mo.
Currie Bros., Milwaukee, Wis.
Albert Dickinson Co., 115 Kedzie St., Chicago, Ill.
Dingee & Conard Co., West Grove, Pa.
Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.
D. M. Ferry, Detroit, Mich.
Germain Fruit Co., Los Angeles, Cal.
Jas. J. H. Gregory, Marblehead, Mass.
Peter Henderson & Co., 35 Cortlandt St., New York.
O. P. Hollingsworth, Traders' Point, Ind.
Johnson & Stokes, 217 Market St., Philadelphia, Pa.
International Seed Co., Rochester, N. Y.
D. Landreth & Sons, 21 S. 6th St., Philadelphia, Pa.
A. W. Livingston's Sons, Columbus, O.
J. M. McCullough's Sons, 134 Walnut St., Cincinnati, O.
F. J. Matts & Co., Huron, S. Dak.
Wm. H. Maule, 1711 Filbert St., Philadelphia, Pa.
L. L. May & Co., St. Paul, Minn.
Plant Seed Co., 812 N. 4th St., St. Louis, Mo.
Read Drug Co., Ltd., 217 Race St., Philadelphia, Pa.
John A. Salzer Seed Co., La Crosse, Wis.
R. H. Shumway, Rockford, Ill.
Sioux City Nursery & Seed Co., Sioux City, Iowa.
Storr & Harrison Co., Painesville, O.
Trumbull-Strean-Allen Seed Co., Kansas City, Mo.
James Vick, Rochester, N. Y.
Whitney-Noyes Seed Co., Binghamton, N. Y.

A. GRAPE VINES.
Ellwanger & Barry, Rochester, N. Y.
Stephen Hoyt's Sons, New Canaan, Conn.
T. S. Hubbard Co., Fredonia, N. Y.
Geo. S. Josselyn, Fredonia, N. Y.
Lenk Wine Co., Toledo, Ohio.
Lewis Roesch, Fredonia, N. Y.

3360. SEWING BIRDS.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Landers, Frary & Clark, New Britain, Conn.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

3361. SHEATHS & BELTS.
Bradley, Voorhees & Day Mfg. Co., Ltd., 83 White St., New York.
Union Hardware Co,, Torrington, Conn.

3362. SHELF BORDERS.
T. V. Johnson, 227 Canal St., New York.

3363. SHELF PAPER.
New York Blank Book Co., 29 Beekman St., New York.

3364. SHEPHERD'S CROOKS.
C. S. Burch & Co., 170 Madison St., Chicago, Ill.

3365. SHIP LIGHT SIGNALS.
Detwiller & Street Fireworks Mfg. Co., 172 Fulton St., New York.

3366. SIGNS.

A. ADVERTISING SIGNS.
Fr. Beck & Co., 334 7th Av., New York.
Cæsar Bros., 11 Park Row, New York.
Enterprise Mfg. Co., Akron, O.
Eureka Sign Co., 7 Warren St., New York.
Hope Mfg. Co., Woodbury, N. J.
Howard & Morse, 45 Fulton St., New York.
Jos. Neumann Co., 11th & Race Sts., Philadelphia, Pa.
New York Advertising Sign Co., 10 Park Place, New York.
E. W. Rider Mfg. Co., Racine, Wis.
Somers Bros., 3d Av. & 3d St., Brooklyn. N. Y.
Wells Glass Co,, 302 Wabash Av., Chicago, Ill.

B. BOOT & SHOE SIGNS.
Buffalo Last Works, Buffalo, N. Y. *248

C. BRASS SIGNS.
Denzi & Phillips, 24 Dey St., New York.
Manhattan Sign Co., 122 Liberty St., New York.
N. Stafford, 66 Fulton St., New York.

	H. H. Upham & Co., 641 Broadway, New York.
D. GLASS SIGNS.	Asbury Glass Sign Co., 71 William St., New York.
	Denzi & Phillips, 24 Dey St., New York.
	Matthews Decorative Glass Co., 328 E. 26th St., New York.
	J. W. Russell & Co., 294 Pearl St., New York.
E. ILLUMINATED SIGNS.	E. P. Gleason Mfg. Co., 20 W. Houston St., New York.
F. LUMINOUS SIGNS.	Enterprise Mfg. Co., Akron, O.
G. PORCELAIN SIGNS.	Union Porcelain Works, 300 Eckford St., Brooklyn, N. Y.
H. SHOW CARDS, ENAMELLED IRON.	F. Tuchfarber, Court & Sycamore Sts., Cincinnati, O.
	Worcester Plate Co., Worcester, Mass.
I. SHOW CARDS, GLASS.	F. Tuchfarber, Court & Sycamore Sts., Cincinnati, O.
J. SHOW CARDS, IRON.	Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.
	F. Tuchfarber, Court & Sycamore Sts., Cincinnati, O.
K. SHOW CARDS, TIN.	Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.
	Tin Plate Decorating Co., 110 John St., New York.
L. SIGN PLATES.	Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
	Duquesne Co., Pittsburgh, Pa.
	Phœnix Plate Co., Worcester, Mass.
	Union School Furniture Co., Battle Creek, Mich.
M. TIN SIGNS.	Somers Bros., 3d Av. & 3d St., Brooklyn, N. Y.
N. WATCH & SPECTACLE SIGNS.	Wm. L. Gilbert Clock Co., Winsted, Conn.
	F. Kroeber Clock Co., 360 Broadway, New York.
	W. L. Washburn, 46 Cortlandt St., New York.
O. WIRE SIGNS.	E. T. Barnum, Detroit, Mich.
	J. E. Bolles & Co., Detroit, Mich.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	Minneapolis Wire Works Co., Minneapolis, Minn.

3367. SIGN LETTERS & NUMBERS.

A. ENAMELLED LETTERS & NUMBERS.	Cæsar Bros., 11 Park Row, New York.
B. METAL LETTERS & NUMBERS.	B. & M. Sign Letter Co., Newark, N. J.
	A. S. Henn & Co., New Haven, Conn.
	N. Stafford, 66 Fulton St., New York.

3368. SKEWERS.

Lalance & Grosjean Mfg. Co., 19 Cliff St., New York.
Landers, Frary & Clark, New Britain, Conn.
Meriden Britannia Co., Meriden, Conn.
August Nittinger, 826 N. 4th St., Philadelphia, Pa.
C. S. Osborne & Co., Newark, N. J.

3369. SKIDS.

Byram & Co., Detroit, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

3370. SLEEVE PROTECTORS.

New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
B. Salisbury & Co., Battle Creek, Mich.

3371. SLIDE RULE CALCULATORS.

R. C. Smith, 1 Broadway, New York.

3372. SLIPPER POCKETS. Geo. E. Messer & Co., 73 Haverhill St., Boston, Mass.

3373. SMOKERS' ARTICLES.

A. AMBER GOODS.	F. J. Kaldenberg Co., 213 E. 33d St., New York.
	Reiss Bros. & Co., 163 Lake St., Chicago, Ill.
	Weis & Co., 399 Broadway, New York.
B. ASH TRAYS.	Ansonia Brass & Copper Co., Ansonia, Conn. *211
	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	H. L. Judd & Co., 87 Chambers St., New York.
	Low Art Tile Co., Chelsea, Mass.
C. BRIARWOOD GOODS.	F. J. Kaldenberg Co., 213 E. 33d St., New York.
D. CIGAR BUTT CUTTERS.	F. J. Kaldenberg Co., 213 E. 33d St., New York.
	Reiss Bros. & Co., 163 Lake St., Chicago, Ill.
	Fred. J. Meyers Mfg. Co., Covington, Ky.
	N. Y. Tobacco Machine Co., 123 Pearl St., New York.
E. CIGAR CASES.	Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
	Wallace & Sons Mfg. Co., Wallingford, Conn.
	Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
	Wm. Willer, Milwaukee, Wis.
F. CIGARETTE CASES.	R. Wallace & Sons Mfg. Co., Wallingford, Conn.
G. CIGAR LIGHTERS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.
	Wallace & Sons, Ansonia, Conn.
H. CIGAR MOISTENERS.	C. W. Swift, 41 W. 35th St., New York.
I. PIPES.	Wm. Birnbaum, 80 Nassau St., New York.
	Wm. Demuth & Co., 507 Broadway, New York.
	Wm. Harvey & Co., 60 N. 2d St., Philadelphia, Pa.
	F. J. Kaldenberg Co., 213 E. 33d St., New York.
	Kaufmann Bros. & Bondy, 129 Grand St., New York.
	Reiss Bros. & Co., 163 Lake St., Chicago, Ill.
	M. L. Samter & Co., 416 Broadway, New York.

J. PIPES, CLAY.	Gerten Bros., Fulton, Ill.
K. PIPES, CORN COB.	F. L. Losey, Louisville, Ky.
L. PIPES, MEERSCHAUM.	Wm. Demuth & Co., 507 Broadway, New York.
	F. J. Kaldenberg Co., 213 E. 33d St., New York.
	Reiss Bros. & Co., 163 Lake St., Chicago, Ill.
	Carl Stehr, 347 Broome St., New York.
	Weis & Co., 399 Broadway, New York.
M. PIPE COVERS.	Steele & Johnson Mfg. Co., Waterbury, Conn.
N. SMOKERS' CABINETS.	R. Bliss Mfg. Co., Pawtucket, R. I.
O. SMOKERS' SETS, BRASS.	Bradley & Hubbard Mfg. Co., Meriden, Conn.
	H. L. Judd & Co., 87 Chambers St., New York.
	J. F. Kitchell Mfg. Co., Newark, N. J.
	Palmer Mfg. Co., 290 Pearl St., New York.
	Pittsburgh Brass Co., Allegheny, Pa.
	Scovill Mfg. Co., Waterbury, Conn.
P. SMOKERS' SETS, BRONZE.	New Jersey Lamp & Bronze Co., New Brunswick, N. J.
Q. SMOKERS' SETS, COPPER.	Gorham Mfg. Co., Providence, R. I.
R. SMOKERS' SETS, IVORY.	F. Grote & Co., 114 E. 14th St., New York.
S. TOBACCO BOXES.	Chas. J. Hauck & Sons, 38 Stagg St., Brooklyn, N. Y.
T. TOBACCO POUCHES.	Davidson Rubber Co., 19 Milk St., Boston, Mass.
3374. SNOW PLOWS.	Cyclone Steam Snow Plow Co., Minneapolis, Minn.
	Augustus Day, Detroit, Mich.
	Industrial Works, Bay City, Mich.
3375. SOAP.	
A. ANIMAL SOAP.	Carbolic Soap Co., 230 Pearl St., New York.
B. BORAX SOAP.	E. Ward, 63 Murray St., New York.
C. CARBOLIC SOAP.	Carbolic Soap Co., 230 Pearl St., New York.
D. COTTON SEED OIL SOAP.	Cotton Oil Product Co., 60 Broad St., New York.
	Manhattan Oil Co., 51 Front St., New York.
E. DENTAL SOAP.	Carbolic Soap Co., 230 Pearl St., New York.
F. DISINFECTING SOAP.	Carbolic Soap Co., 230 Pearl St., New York.
G. FISH OIL SOAP.	Arctic Oil Works, San Francisco, Cal.
	Geo. Delano's Sons, 140 Front St., New York.
	J. O. Draper & Co., Pawtucket, R. I.
H. LAUNDRY SOAP.	B. T. Babbitt, 84 Washington St., New York.
	R. W. Bell Mfg. Co., Buffalo, N. Y.
	David S. Brown & Co., 8 Thomas St., New York.
	Camden & Philadelphia Soap Co., Camden, N. J.
	Carbolic Soap Co., 230 Pearl St., New York.
	Colgate & Co., 55 John St., New York.
	Columbia Chemical Co., Brooklyn, N. Y.
	I. L. Cragin & Co., 57 Forest Building, Philadelphia, Pa.
	Curtis, Davis & Co., 136 State St., Boston, Mass.
	Detroit Soap Co., Detroit, Mich.
	Diamond Soap Co , Wabasha, Minn.
	Dittgen & Co., 160 Main St., Cincinnati, O.
	Wm. Dreydoppel, 130 Vine St., Philadelphia, Pa.
	J. Eavenson & Sons, 313 N. 20th St., Philadelphia, Pa.
	J. S. & T. Elkinton, 119 S. 4th St., Philadelphia, Pa.
	N. K. Fairbank & Co., 21 Wabash Av., Chicago, Ill.
	Fay Bros., 92 Munroe St., New York.
	Fels & Co., 1151 N. 3d St., Philadelphia, Pa.
	Fisk Mfg. Co., Springfield, Mass.
	Florence Soap Co., 187 Cherry St., New York.
	A. Friedman & Co., 428 W. 17th St., New York.
	Granite City Soap Co., Newburgh, N. Y.
	W. L. Haworth, Louisville, Ky.
	Chas. S. Higgins & Co., Park & Clinton Avs., Brooklyn, N. Y.
	C. L. Jones & Co., 32 Commerce St., Boston, Mass.
	Kansas City Soap Co., Kansas City, Mo.
	Joseph I. Keefe, 35 S. 2d St., Philadelphia, Pa.
	Kendall Mfg. Co., Providence, R. I.
	Jas. S. Kirk & Co., 360 N. Water St., Chicago, Ill.
	J. D. Larkin & Co., Buffalo, N. Y.
	Lautz Bros. & Co., Buffalo, N. Y.
	Los Angeles Soap Co., Los Angeles, Cal.
	Miller Soap Co., Lancaster, Pa.
	Northwestern Soap Co., Minneapolis, Minn.
	John Reardon & Sons, 69 S. Market St., Boston, Mass.
	Schaeffer Bros. & Powell, 325 N. 2d St., St. Louis, Mo.
	Schulte Soap Co., Detroit, Mich.
	Schultz & Co., Zanesville, O.
	Frank H. Siddall, Beach St., Philadelphia, Pa.
	Unaka Soap Co., Knoxville, Tenn.
	W. & H. Walker, Pittsburgh, Pa.
	G. Whitney, 20 Norfolk Av., Boston, Mass.

	Wichita Soap Mfg. Co., Wichita, Kan.
	J. B. Williams Co., Glastonbury, Conn.
I. MEDICINAL SOAPS.	Colgate & Co., 53 John St., New York.
	Wm. Dreydoppel, 130 Vine St., Philadelphia, Pa.
	Fels & Co., 1151 N. 3d St., Philadelphia, Pa.
	Packer Mfg. Co., 100 Fulton St., New York.
	Potter Drug & Chemical Corp., 135 Columbus Av., Boston, Mass.
	Reed & Carnrick, 447 Greenwich St., New York.
	Seabury & Johnson, 21 Platt St., New York.
J. SAND SOAP.	Wm. Dreydoppel, 130 Vine St., Philadelphia, Pa.
K. SAPOLIO.	Enoch Morgan's Sons Co., 439 West St., New York.
	W. A. Robinson & Co., New Bedford, Mass.
L. SHAVING SOAP.	Andrews Soap Co., 233 Spring Grove Av., Cincinnati, O.
	Clifford & Co., 2 Harvard Place, Boston, Mass.
	Colgate & Co., 53 John St., New York.
	J. K. Cook & Co., 12 Cortlandt St., New York.
	Fels & Co., 1151 N. 3d St., Philadelphia, Pa.
	J. B. Williams Co., Glastonbury, Conn.
M. SOAP CHIPS.	Granite City Soap Co., Newburgh, N. Y.
N. SOAP POWDERS.	American Soap & Washoline Co., Cohoes, N. Y.
	B. T. Babbitt, 84 Washington St., New York.
	Cincinnati Soap Co., Clarkson St., Cincinnati, O.
	Columbia Chemical Works, 21 Jay St., Brooklyn, N. Y.
	Cotton Oil Product Co., 60 Broad St., New York.
	J. O. Draper & Co., Pawtucket, R. I.
	Granite City Soap Co., Newburgh, N. Y.
	Wm. L. Graver Co., 209 N. Front St., Philadelphia, Pa.
	A. Hoefner, Buffalo, N. Y.
	Kendall Mfg. Co., Providence, R. I.
	Kopitzsch Soap Co., Pottsville, Pa.
	J. D. Larkin & Co., Buffalo, N. Y.
	W. A. Page Soap Co., Omaha, Neb.
	Peet Bros. & Co., Kansas City, Mo.
	James Pyle & Sons, 436 Greenwich St., New York.
	H. R. Stevens, 464 W. Broadway, Boston, Mass.
O. SPERM OIL SOAP.	Arctic Oil Works, San Francisco, Cal.
	Geo. Delano's Sons, 140 Front St., New York.
P. SULPHUR SOAP.	Carbolic Soap Co., 230 Pearl St., New York.
	Colgate & Co., 53 John St., New York.
Q. TAR SOAP.	Andrews Soap Co., 233 Spring Grove Av., Cincinnati, O.
	Carbolic Soap Co., 230 Pearl St., New York.
	Caswell, Massey & Co., 1121 Broadway, New York.
	Colgate & Co., 53 John St., New York.
	Packer Mfg. Co., 100 Fulton St., New York.
R. TOILET SOAPS.	Andrews Soap Co., 233 Spring Grove Av., Cincinnati, O.
	R. W. Bell Mfg. Co., Buffalo, N. Y.
	Camden & Philadelphia Soap Co., Camden, N. J.
	J. W. Campion & Co., 916 Filbert St., Philadelphia, Pa.
	Carbolic Soap Co., 230 Pearl St., New York.
	Colgate & Co., 53 John St., New York.
	Doussan French Perfumery Co., 46 Chartres St., New Orleans, La.
	J. Eavenson & Son, 313 N. 20th St., Philadelphia, Pa.
	J. S. & T. Elkinton, 119 S. 4th St., Philadelphia, Pa.
	Fay Bros., 92 Monroe St., New York.
	Fels & Co., 1151 N. 3d St., Philadelphia, Pa.
	Granite City Soap Co., Newburgh, N. Y.
	W. L. Haworth Co., Louisville, Ky.
	Chas. S. Higgins & Co., Park & Clinton Avs., Brooklyn, N. Y.
	Kansas City Soap Co., Kansas City, Mo.
	J. D. Larkin & Co., Buffalo, N. Y.
	Geo. Leis, Lawrence, Kan.
	Los Angeles Soap Co., Los Angeles, Cal.
	Miller Soap Co., Lancaster, Pa.
	Northwestern Soap Co., Minneapolis, Minn.
	Packer Mfg. Co., 100 Fulton St., New York.
	W. A. Page Soap Co., Omaha, Neb.
	Solon Palmer, 374 Pearl St., New York.
	Peet Bros. & Co., Kansas City, Mo.
	Proctor & Gamble Co., 3d & Walnut Sts., Cincinnati, O.
	Reed & Carnrick, 447 Greenwich St., New York.
	Theo. Ricksecker, 58 Maiden Lane, New York.
	J. B. Williams Co., Glastonbury, Conn.
S. URINAL SOAP.	Carbolic Soap Co., 230 Pearl St., New York.
T. WHALE OIL SOAP.	Arctic Oil Works, San Francisco, Cal.
	Geo. Delano's Sons, 140 Front St., New York.
	W. A. Robinson & Co., New Bedford, Mass.

3376. SODA WATER APPARATUS.

American Soda Fountain Co., Boston, Mass.
Bennett & Gompper, 241 Centre St., New York.
R. M. Green & Co., 1413 Vine St., Philadelphia, Pa.
Ph. Madlener, Milwaukee, Wis.
Wittemann Bros., 188 William St., New York.

A. SIPHONS. Firm of John R. Matthews, 26th St. & 1st Av., New York.

B. SODA WATER FOUNTAINS. American Soda Fountain Co., Boston, Mass.
R. M. Green & Co., 1413 Vine St., Philadelphia, Pa.
Iron Clad Mfg. Co., 22 Cliff St., New York.
Wittemann Bros., 188 William St., New York.

3377. SPECIMEN MINERALS. Eimer & Amend, 205 3d Av., New York.

3378. SPECTACLES & EYE GLASSES.

American Optical Co., Southbridge, Mass.
Bausch & Lomb Optical Co., Rochester, N. Y.
L. Black & Co., Detroit, Mich.
W. W. Coomes & Co., Long Meadow, Mass.
E. S. & W. S. Fowler, 38 Madison St., Chicago, Ill.
Geneva Optical Co., Geneva, N. Y.
Hartford Optical Co., Hartford, Conn.
Johnston Optical Co., Detroit, Mich.
Julius King Optical Co., Cleveland, O.
Lord Bros. Mfg. Co., Tilton, N. H.
S. F. Merritt, 181 Main St., Springfield, Mass.
E. B. Meyrowitz, 297 4th Av., New York.
National Optical Co., S. 11th & Mifflin Sts., Philadelphia, Pa.
Southbridge Optical Co., Southbridge, Mass.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.
W. H. Walmsley & Co., 1016 Chestnut St., Philadelphia, Pa.
J. W. Wetherbee, Leominster, Mass.
T. A. Wilson & Co., Reading, Pa.
Jos. Zentmayer, 209 S. 11th St., Philadelphia, Pa.

A. BLUE GLASSES. Lord Bros. Mfg. Co., Tilton, N. H.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.

B. EYE GLASS HOOKS. Lord Bros. Mfg. Co., Tilton, N. H.
S. F. Merritt, Springfield, Mass.
Waite, Mathewson & Co., Providence, R. I.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.

C. SMOKED GLASSES. Lord Bros. Mfg. Co., Tilton, N. H.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.

D. SPECTACLE & EYE GLASS CASES. Wm. Birmingham & Co., 728 Arch St., Philadelphia, Pa.
Chas. J. Hauck & Sons, 38 Stagg St., Brooklyn, N. Y.
Johnston Optical Co., Detroit, Mich.
Lord Bros. Mfg. Co., Tilton, N. H.
Chas. Parker Co., Meriden, Conn.
Chas. Seeger, 29 N. 6th St., Philadelphia, Pa.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.
Wallace & Sons, Mfg. Co., Wallingford, Conn.

E. SPECTACLE & EYE GLASS LENSES. American Optical Co., Southbridge, Mass.
Bausch & Lomb Optical Co., Rochester, N. Y.
Spencer Optical Mfg. Co., 15 Maiden Lane, New York.

3379. SPOOL HOLDER & THREAD CUTTER.

Andrew W. Sawyer, Providence, R. I.

3380. STAINED GLASS, IMITATION.

Wm. C. Young, 932 Arch St., Philadelphia, Pa.

3381. STAMPS & STENCILS.

A. FRESCO STENCILS. F. W. Devoe & Co., Fulton & William Sts., New York.
Edmund D. Lathrop, Newark, N. J.
C. T. Raynolds & Co., 106 Fulton St., New York.

B. STEEL STAMPS. W. A. Bunting, Pittsburgh, Pa.
J. F. W. Dorman, Baltimore, Md.
H. H. Harvey, 116 High St., Boston, Mass.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Edmund D. Lathrop, Newark, N. J.
New York Stencil Works, 100 Nassau St., New York.
S. H. Quint & Son, 14 S. 4th St., Philadelphia, Pa.
E. Reynolds & Co., Providence, R. I.
R. H. Smith Mfg. Co., Springfield, Mass. *85
N. Stafford, 66 Fulton St., New York.
A. A. White & Co., Providence, R. I.

C. STENCIL COMBINATIONS. Arthur Stafford, 35 Beekman St., New York.
New York Stencil Works, 100 Nassau St., New York.

D. STENCIL PLATES. Gage Machine Works, Waterford, N. Y.
New York Stencil Works, 100 Nassau St., New York.
San Francisco Stencil Works, San Francisco, Cal.

E. STENCILS.

R. H. Smith Mfg. Co., Springfield, Mass. *85
W. Barnard & Co., 314 Olive St., St. Louis, Mo
W. A. Bunting, Pittsburgh, Pa.
J. F. W. Dorman, Baltimore, Md.
Wm. A. Force & Co., 60 Beekman St., New York.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Wm. H. Howard, Dayton, O.
Lang Mfg. Co., Albany, N. Y.
S. G. Monce, Bristol, Conn.
New York Stencil Works, 100 Nassau St., New York.
F. L. Penny & Co., 29 High St., Boston, Mass.
J. H. Power & Co., 64 High St., Boston, Mass.
E. Reynolds & Co., Providence, R. I.
R. H. Smith Mfg. Co., Springfield, Mass. *85
Arthur Stafford, 35 Beekman St., New York.
N. Stafford, 66 Fulton St., New York.

3382. STATUARY.

Ames Mfg. Co., Chicopee, Mass.
Browne, McAllister & Co., 431 W. 14th St., New York.
J. W. Fiske, 28 Park Place, New York.
Harvey, Moland & Co., 620 Arch St., Philadelphia, Pa.
C. Hennecke Co., Milwaukee, Wis.
M. D. Jones & Co., 76 Washington St., Boston, Mass.
Kinnear & Gager, Columbus, O.
J. & R. Lamb, 59 Carmine St., New York.
M. H. Mossman, Chicopee, Mass.
J. L. Mott Iron Works, 90 Beekman St., New York.
W. H. Mullins, Salem, O.
Nichols & Co., 204 Washington Boulevard, Chicago, Ill.
Stereo-Relief Decorative Co., 71 University Place, New York.
Wm. C. Townsend, Zanesville, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

A. LAWN STATUARY.

Champion Iron Co., Kenton, O.
J. W. Fiske, 28 Park Place, New York.
Illinois Iron & Bolt Co., Carpentersville, Ill.
J. L. Mott Iron Works, 90 Beekman St., New York.
W. H. Mullins, Salem, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

B. STATUETTES.

Bradley & Hubbard Mfg. Co., Meriden, Conn.
John Rogers, 142 Centre St., New York.

C. TERRA COTTA STATUARY.

Boston Terra Cotta Co., 394 Federal St., Boston, Mass.
J. C. Cassel, 2341 N. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
T. A. Wilson & Co., Reading, Pa.

3383. STEAM RIDING GALLERIES.

Armitage-Herschell Co., Tonawanda, N. Y. *249

3384. STEREOPTICONS.

J. B. Colt & Co., 16 Beekman St., New York.

3385. STORAGE OIL CANS.

Iron Clad Mfg. Co., 22 Cliff St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Sidney Shepard & Co., Buffalo, N. Y.

3386. STORM DOORS, SELF CLOSING.

Van Kannel Revolving Door Co., 14 S. 5th St., Phila., Pa.

3387. STRAPS.

A. HANDY STRAPS.

Scheuer & Bro., 359 Broadway, New York.
N. R. Streeter & Co., Groton, N. Y.

B. SHAWL STRAPS.

American Pin Co., Waterbury, Conn.
N. Drucker & Co., 110 W. 3d St., Cincinnati, O.
Edgar Farmer & Co., Newark, N. J.
Thos. Godson & Son, Troy, N. Y.
A. Hahn & Co., 296 Broadway, New York.
Haskell Bros., 52 Madison St., Chicago, Ill.
E. S. Hotchkiss, Bridgeport, Conn.
Likly, McDonald & Rockett, Cleveland, O.
T. B. Peddie & Co., Newark, N. J.
Scheuer & Bro., 359 Broadway, New York.
Edward Simon & Bros., Newark, N. J.
Volger & Geudtner, 210 Madison St., Chicago, Ill.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

C. SHOULDER STRAPS.

A. F. Eggers & Co., Newark, N. J.
Thos. Godson & Son, Troy, N. Y.
T. B. Peddie & Co., Newark, N. J.
Scheuer & Bro., 359 Broadway, New York.
Edward Simon & Bros., Newark, N. J.
Volger & Geudtner, 210 Madison St., Chicago, Ill.

D. TOURISTS' STRAPS.

N. Drucker & Co., 110 W. 3d St., Cincinnati, O.

Thos. Godson & Son, Troy, N. Y.
T. B. Peddie & Co., Newark, N. J.
Scheuer & Bro., 359 Broadway, New York.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

E. TRUNK STRAPS.
D. C. Frost Trunk Strap Co., 134 Lyman St., Springfield, Mass.
Thos. Godson & Son, Troy, N. Y.
Haskell Bros., 52 Madison St., Chicago, Ill.
E. B. Lyon, Dayton, O.
T. B. Peddie & Co., Newark, N. J.
Scheuer & Bro., 359 Broadway, New York.
Edward Simon & Bros., Newark, N. J.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

3388. STRAW GOODS.
T. L. Barber & Co., S. Framingham, Mass.
Brigham, Hopkins & Co., Baltimore, Md.
Caton Bros., Bixby & Co., Foxboro', Mass.
Comey & Co., 577 Broadway, New York.
Gage & Reynolds, Monson, Mass.
H. W. Goodman & Co., N. Dana, Mass.
Hills Co., Amherst, Mass.
Wm. Knowlton & Sons, 564 Broadway, New York.
G. P. Muller & Co., 530 Arch St., Philadelphia, Pa.
Northwestern Straw Works, Milwaukee, Wis.
Joseph Potter, 529 Arch St., Philadelphia, Pa.
Sawyer & Gilman, 169 Elm St., New York.
Searle, Dailey & Co., 602 Broadway, New York.
Snow, Bassett & Co., Franklin, Mass.
Tierney & Co., 15 Myrtle Av., Brooklyn, N. Y.
Wolford & Shilberg, Baltimore, Md.

3389. SUMMER HOUSES.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.

3390. SURVEYING INSTRUMENTS.
A. S. Aloe & Co., 415 N. Broadway, St. Louis, Mo.
Buff & Berger, 9 Province Court, Boston, Mass.
F. W. Devoe & Co., Fulton & William Sts., New York.
W. Gardam & Son, 98 John St., New York.
W. & L. E. Gurley, Troy, N. Y.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Young & Sons, 43 N. 7th St., Philadelphia, Pa.

3391. SURVEYORS' CHAINS.
W. & L. E. Gurley, Troy, N. Y.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.

3392. SURVEYORS' TABLES.
W. & L. E. Gurley, Troy, N. Y.
Standard Thermometer Co., Peabody, Mass.

3393. SWORDS & DAGGERS.
Ames Sword Co., Chicopee, Mass.
M. C. Lilley & Co., Columbus, O.

A. BELT MOUNTINGS.
Ames Sword Co., Chicopee, Mass.

B. SWORD MOUNTINGS.
Ames Sword Co., Chicopee, Mass.

3394. TABLE WATERS.
Artesian Lithia Spring Co., Ballston Spa, N. Y.
Bowden Lithia Springs Co., Lithia Springs, Ga.
Carlsbad Spring Co., Saratoga Springs, N. Y.
Centennial Brewing Co., Butte City, Mont.
Thos. F. Goode, Buffalo Lithia Springs, Va.
Hygeia Sparkling Distilled Water Co., 349 W. 12th St., New York.
Saratoga Royal Spring Co., Saratoga Springs, N. Y.
Carl H. Schultz, 440 1st Av., New York.
Henry Tonjes & Co., 334 E. 31st St., New York.

A. MINERAL WATERS.
Bethesda Mineral Spring Co., Waukesha, Wis.
Bowden Lithia Spring Co., Lithia Springs, Ga.
Champion Spring Co., Saratoga Springs, N. Y.
Congress Spring Co., Saratoga Springs, N. Y.
Crab Orchard Springs & Salts Co., Louisville, Ky.
Farmville Lithia Springs Co., 21 E. 14th St., New York.
Hathorn & Co., Saratoga Springs, N. Y.
High Rock Spring Co., Saratoga Springs, N. Y.
Frank W. Lawrence, Saratoga Springs, N. Y.
Londonderry Lithia Spring Water Co., Nashua, N. H.
Manitou Mineral Water Bath & Park Co., Manitou Springs, Col.
Natural Mineral Water Co., Salt Lake City, Utah.
Oconomowoc Natural Mineral Water Co., Oconomowoc, Wis.
Oneita Springs Co., Utica, N. Y.
Patterson & Patterson, Saratoga Springs, N. Y.
Poland Spring Co., South Poland, Me.
Salutaris Co., St. Clair Springs, Me.
Saratoga Kissingen Spring Co., Saratoga Springs, N. Y.
Saratoga Mineral Spring Co., Saratoga Springs, N. Y.
Saratoga Vichy Spring Co., Saratoga Springs, N. Y.

P. Scherer & Co., 11 Barclay St., New York.
Carl H. Schultz, 440 1st Av., New York.
George E. Settle, Saratoga Springs, N. Y.
Star Spring Co., Saratoga Springs, N. Y.
Underwood Co., Falmouth Foreside, Me.
Warren, Richard & Co., Paterson, N. J.
Windsor Mineral Spring Co., Lewiston, Me.

B. SODA WATER.
Thomas Clements, 236 Queen St., Philadelphia, Pa.
J. J. Flynn & Co., Quincy, Ill.
Houck & Dieter, El Paso, Tex.
Firm of John Matthews, 1st Av. & 26th St., New York.
Jas. Patterson & Son, 217 Race St., Philadelphia, Pa.
Otto Zwietusch, Milwaukee, Wis.

3395. TAFFRAIL LOGS.
John Bliss & Co., 128 Front St., New York.

3396. TAPE MEASURES.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Geo. M. Eddy & Co., 351 Classon Av., Brooklyn, N. Y.
Landers, Frary & Clark, New Britain, Conn.
Lufkin Rule Co., Cleveland, O.
Waterbury Brass Co., Waterbury, Conn.

A. ADVERTISING MEASURES.
Geo. M. Eddy & Co., 351 Classon Av., Brooklyn, N. Y.

B. LINEN & COTTON TAPES.
Geo. M. Eddy & Co., 351 Classon Av., Brooklyn, N. Y.

C. SPRING POCKET TAPES.
Geo. M. Eddy & Co., 351 Classon Av., Brooklyn, N. Y.

D. STEEL TAPES.
Geo. M. Eddy & Co., 351 Classon Av., Brooklyn, N. Y.
Lufkin Rule Co., Cleveland, O.

E. TAILORS' MEASURES.
Geo. M. Eddy & Co., 351 Classon Av., Brooklyn, N. Y.

3397. TARPAULINS.
Ernest Goldbacher, 98 Fulton St., New York.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
W. H. Hoffmann, 150 W. Broadway, New York.
John F. McHugh, 1263 Broadway, New York.
Neville & Co., San Francisco, Cal.
Fred. Skelton, 1325 Broadway, New York.
Standard Oiled Clothing Co., Jersey City Heights, N. J.

3398. TEETHING RINGS, CELLULOID.
Celluloid Co., Newark, N. J. *252

3399. TELESEMES.
Herzog Teleseme Co., 30 Broad St., New York.

3400. TENTS.
John Boyle, 199 Fulton St., New York.
E. C. Cook & Bro., 40 Dearborn St., Chicago, Ill.
Detroit Tent & Awning Co., Detroit, Mich.
J. B. Gifford, Fall River, Mass.
W. H. Hoffmann, 150 W. Broadway, New York.
Missouri Tent & Awning Co., 220 Chestnut St., St. Louis, Mo.
Neville & Co., San Francisco, Cal.
W. C. Noon & Co., Portland, Ore.
Roberts Bros., 71 Market St., Chicago, Ill.
R. M. Yale, 29 S. Market St., Boston, Mass.
Zittlosen Tent & Awning Co., St. Louis, Mo.

A. TENT PINS.
J. A. Dubuar Mfg. Co., Northville, Mich.
Kerr Bros. & Co., Hicksville, O.

B. TENT POLES.
Coss Mfg. Co., Lima, O.
Kerr Bros. & Co., Hicksville, O.

C. TENT SLIDES.
J. A. Dubuar Mfg. Co., Northville, Mich.

3401. TERRA COTTA WORK.
Anderson Bros., Anderson, W. Va.
Burns, Russell & Co., Baltimore, Md.
Calumet Fire Clay Co., Calumet, O.
J. C. Cassel, 234 N. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Prentice & Hacket, Pittsburgh, Pa.
Reading Terra Cotta Works, Reading, Pa.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal.

A. TERRA COTTA EMBLEMS.
Boston Terra Cotta Co., 394 Federal St., Boston, Mass.
J. C. Cassel, 2341 N. 7th St., Philadelphia, Pa.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.
Reading Terra Cotta Works, Reading, Pa.
Union Pressed Brick & Terra Cotta Co., San Francisco, Cal.

B. TERRA COTTA PORTRAITS.
Boston Terra Cotta Co., 394 Federal St., Boston, Mass.
Perth Amboy Terra Cotta Co., Perth Amboy, N. J.

C. TERRA COTTA VASES.
J. C. Cassel, 2341 N. 7th St., Philadelphia, Pa.

3402. THEATRE CURTAINS, ASBESTOS.
Chalmers-Spence Co., 419 8th St., New York.
H. W. Johns Mfg. Co., 87 Maiden Lane, New York.

3403. THERMOMETERS.
American Meter Co., 177 Elm St., Cincinnati, O.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.
Ashcroft Mfg. Co., 111 Liberty St., New York.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Henry J. Green, 1091 Bedford Av., Brooklyn, N. Y.

Haff & Walbridge, 76 Leonard St., New York.
R. Hoehn & Co., 44 College Place, New York.
Hohmann & Maurer, Plymouth & Jay Sts., Brooklyn, N. Y.
John Kendall & Co., New Lebanon, N. Y.
Jos. T. Large & Son, 118 Powers St., Williamsburg, N. Y.
Myers' Distance Thermometer Co., Phelps, N. Y.
James W. Queen & Co., 924 Chestnut St., Philadelphia, Pa.
Standard Thermometer Co., Peabody, Mass.
Chas. J. Tagliabue, 51 Fulton St., New York.
Guiseppe Tagliabue, 302 Pearl St., New York.
Taylor Bros. Co., Rochester, N. Y.
Watertown Thermometer Co., Watertown, N. Y.
A. Weiskopf, 111 5th Av., Chicago, Ill.
Charles Wilder, Peterboro', N. H.

A. ADVERTISING THERMOMETERS.
Arlington Mfg. Co., 84 Leonard St., New York.
Standard Thermometer Co., Peabody, Mass.
H. Weinhagen, 24 N. William St., New York.
A. Weiskopf, 111 5th Av., Chicago, Ill.

B. BREWERS' & DISTILLERS' THERMOMETERS.
Hohmann & Maurer, Plymouth & Jay Sts., Brooklyn, N. Y.
Schaffer & Budenberg, Brooklyn, N. Y.
H. Weinhagen, 24 N. William St., New York.
A. Weiskopf, 111 5th Av., Chicago, Ill.

C. COAL FIRE TESTS.
H. Weinhagen, 24 N. William St., New York.

D. HOT WELL THERMOMETERS.
American Steam Gauge Co., 36 Chardon St., Boston, Mass.
Hohmann & Maurer, Plymouth & Jay Sts., Brooklyn, N. Y.
A. Weiskopf, 111 5th Av., Chicago, Ill.

E. METALLIC THERMOMETERS.
Standard Thermometer Co., Peabody, Mass.
A. Weiskopf, 111 5th Av., Chicago, Ill.

F. TELETHERMOMETERS.
Standard Thermometer Co., Peabody, Mass.

G. VARNISH THERMOMETERS.
Hohmann & Maurer, Plymouth & Jay Sts., Brooklyn, N. Y.
H. Weinhagen, 24 N. William St., New York.
A. Weiskopf, 111 5th Av., Chicago, Ill.

3404. THERMOSTATS.
Consolidated Temperature Controlling Co., Minneapolis, Minn.
Standard Thermometer Co., Peabody, Mass.
A. Weiskopf, 111 5th Av., Chicago, Ill.

3405. THIMBLES, IVORY.
F. Grote & Co., 114 E. 14th St., New York.

3406. TIDY HOLDERS.
New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.

3407. TIN CAR SEALS.
Buckeye Car Seal Mfg. Co., Cleveland, O.

3408. TINSEL.
F. W. Devoe & Co., Fulton & William Sts., New York.
C. T. Raynolds & Co., 106 Fulton St., New York.

3409. TIN WARE, SHOP.

A. DRUGGISTS' TIN WARE.
Norton Bros., 36 River St., Chicago, Ill.
Sidney Shepard & Co., Buffalo, N. Y.
Wm. Vogel & Bros., 37 S. 9th St., Brooklyn, N. Y.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

B. GROCERS' TIN WARE.
L. C. Beardsley & Co., Cleveland, O.
Morgan & Cornell., 213 Duane St., New York.
Rice & Bro., 447 Broadway, New York.
Sidney Shepard & Co,, Buffalo, N. Y.

C. PAINTERS' TIN WARE.
F. C. Wilson & Co., 239 Lake St., Chicago, Ill.

D. SPICE DEALERS' TIN WARE.
Sidney Shepard & Co., Buffalo, N. Y.

3410. TOILET ACCESSORIES.

A. BATH MITTS.
H. Leake & Co,, Philadelphia, Pa.

B. COMB CASES.
B. L. Anderson & Co., 39 Jackson St., Chicago, Ill.
Joy & Seliger, Newark, N. J.
Jos. Scheider & Co., 119 N. 3d St., Brooklyn, N. Y.
Sidney Shepard & Co., Buffalo, N. Y.

C. COMBS.
Wm. H. Ball & Co., Newark, N. J.
B. F. Blodgett & Co., Leominster, Mass.
Henry Carlisle, 609 Commerce St., Philadelphia, Pa.
M. W. Carr & Co., 7 Lancaster St., Boston, Mass.
H. G. O. & T. M. Chase, West Newbury, Mass.
Samuel Curtis & Son, Sandy Hook, Conn.
Wm. Maas & Co., 370 Broadway, New York.
Meriden Britannia Co., Meriden, Conn.
Jos. P. Noyes & Co., Binghamton, N. Y.
W. H. Noyes & Bro., Newburyport, Mass.
Rice & Bro., 447 Broadway, New York.
H. M. Richards & Co., 7 Green St., Boston, Mass.
Tilton & Cook, Leominster, Mass.
F. M. Whiting & Co., North Attleboro', Mass.

D. COMBS, CELLULOID.
Celluloid Co., Newark, N. J.

E. COMBS, HORN.
W. D. Earl & Co., Leominster, Mass.
Milo Hildreth & Co., Northboro', Mass.

F. COMBS, IVORY.
F. Grote & Co., 114 E. 14th St., New York.

G. COMBS, METAL.
Wm. Crabb & Co., Newark, N. J.

*252

	Meriden Britannia Co., Meriden, Conn.	
H. COMBS, POCKET.	Celluloid Co., Newark, N. J.	*252
	Milo Hildreth & Co., Northboro', Mass.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
I. COMBS, RUBBER.	Akron Rubber Works, Akron, O.	
	C. J. Bailey & Co., 22 Boylston St., Boston, Mass.	
	Butler Hard Rubber Co., 33 Mercer St., New York.	
	Geo. M. Eddy & Co., 345 Classon Av., Brooklyn, N. Y.	
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.	
	Goodyear Vulcanite Co., Morrisville, Pa.	
	Hodgman Rubber Co., 459 Broadway, New York.	
	India Rubber Comb Co., 9 Mercer St., New York.	
	Meriden Britannia Co., Meriden, Conn.	
J. COMBS, SHELL.	Milo Hildreth & Co., Northboro', Mass.	
K. COMBS, TORTOISE SHELL	F. Grote & Co., 114 E. 14th St., New York.	
	A. Trenkmann, 241 Centre St., New York.	
L. CUFF & COLLAR BOXES.	Joy & Seliger, Newark, N. J.	
	Isaac Kaufmann & Bro., 496 Broadway, New York.	
	John Mehl & Co., Jersey City, N. J.	
	T. B. Peddie & Co., Newark, N. J.	
	Royal Case Co., 91 Bedford St., Boston, Mass.	
	Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.	
	Edward Simon & Bros., Newark, N. J.	
	Western Leather Mfg. Co., 551 5th Av., Chicago, Ill.	
M. CURLING IRON HEATERS.	Thos. W. Houchin, 67 Park Place, New York.	
	Nicol & Co., 21 River St., Chicago, Ill.	
N. CURLING IRONS.	Chas. J. Hauck & Sons, 38 Stagg St., Brooklyn, N. Y.	
	Wm. Johnson, Newark, N. J.	
	E. Kempshall, Hartford, Conn.	
	Chas. A. Luther & Co., Pawtucket, R. I.	
	Nicol & Co., 23 River St., Chicago, Ill.	
O. CURLING TONGS.	Wm. Johnson, Newark, N. J.	
	Meriden Malleable Iron Co., Meriden, Conn.	
	C. S. Osborne & Co., Newark, N. J.	
P. EAR SPONGES.	Celluloid Co., Newark, N. J.	*252
	A. N. Clark, Plainville, Conn.	
Q. GLOVE BUTTONERS.	Allender & Knous, Greystone, Conn.	
	Arlington Mfg. Co., 84 Leonard St., New York.	
	H. F. Barrows & Co., N. Attleboro', Mass.	
	M. W. Carr & Co., 7 Lancaster St., Boston, Mass.	
	Celluloid Co., Newark, N. J.	*252
	G. W. Cheever & Co., N. Attleboro', Mass.	
	Cosmopolitan Mfg. Co., Newark, N. J.	
	D. F. Foley & Co., 23 Maiden Lane, New York.	
	F. Grote & Co., 114 E. 14th St., New York.	
	S. Hutchins & Co., 21 Eddy St., Providence, R. I.	
	E. S. Johnson & Co., 26 Maiden Lane, New York.	
	New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.	
	Plainville Stock Co., Plainville, Mass.	
	F. M. Whiting & Co., North Attleboro', Mass.	
R. GLOVE STRETCHERS.	Celluloid Co., Newark, N. J.	*252
	F. Grote & Co., 114 E. 14th St., New York.	
S. HAIR CRIMPERS.	American Pin Co., Waterbury, Conn.	
	E. Ivins, 528 N. 10th St., Philadelphia, Pa.	
	New England Novelty Mfg. Co., 24 Portland St., Boston, Mass.	
	Philadelphia Novelty Mfg. Co., 428 N. 13th St., Philadelphia, Pa.	
T. HAIR CURLERS.	Gaynor & Mitchell Mfg. Co., Bridgeport, Conn.	
	Chas. A. Luther & Co., Pawtucket, R. I.	
	W. J. Pettis, Providence, R. I.	
	Geo. A. Scott, 842 Broadway, New York.	
	T. B. Stayner & Co., Providence, R. I.	
U. MANICURE CASES.	Isaac Kaufmann & Bro., 496 Broadway, New York.	
	Lewis Pattberg & Bros., Jersey City, N. J.	
V. MANICURE SETS.	A. F. Bannister & Co., Newark, N. J.	
	C. J. Bates, Chester, Conn.	
	Celluloid Co., Newark, N. J.	*252
	Florence Mfg. Co., Florence, Mass.	
	F. Grote & Co., 114 E. 14th St., New York.	
	Koch, Sons & Co., 543 Pearl St., New York.	
	Meriden Britannia Co., Meriden, Conn.	
	Lewis Pattberg & Bros., 105 Franklin St., Jersey City, N. J.	
	Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
W. MIRRORS, HAND.	B. L. Anderson & Co., 39 Jackson St., Chicago, Ill.	
	Arlington Mfg. Co., 84 Leonard St., New York.	
	Bradley & Hubbard Mfg. Co., Meriden, Conn.	

	Celluloid Co., Newark, N. J.	*252
	Florence Mfg. Co., Florence, Mass.	
	F. Grote & Co., 114 E. 14th St., New York.	
	Meriden Britannia Co., Meriden, Conn.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
X. MIRRORS, SHAVING.	Isaac Kaufman & Bro., 496 Broadway, New York.	
	Lewis Pattberg & Bros., Jersey City, N. J.	
	Wm. Willer, 223 S. 5th St., Philadelphia, Pa.	
Y. MIRRORS, TOILET.	Wm. B. Denison & Co., 482 Broome St., New York.	
	Florence Mfg. Co., Florence, Mass.	
	F. Grote & Co., 114 E. 14th St., New York.	
	Hargreaves Mfg. Co., Detroit, Mich.	
	H. L. Judd & Co., 87 Chambers St., New York.	
	Isaac Kaufman & Bro., 496 Broadway, New York.	
	J. F. Kitchell Mfg. Co., Newark, N. J.	
	Palmer Mfg. Co., 290 Pearl St., New York.	
	Lewis Pattberg & Bros., Jersey City, N. J.	
Z. NAIL CUTTERS.	Berry & Austin, Rockland, Me.	
	A. McDonald, Worcester, Mass.	
AA. PINCHING IRONS.	Wm. Johnson, Newark, N. J.	
	Chas. A. Luther & Co., Pawtucket, R. I.	
	C. S. Osborne & Co., Newark, N. J.	
BB. POWDER BOXES.	Arlington Mfg. Co., 84 Leonard St., New York.	
	Celluloid Co., Newark, N. J.	*252
	E. B. Estes & Sons, 254 Pearl St., New York.	
	F. Grote & Co., 114 E. 14th St., New York.	
	G. Zuern, 46 W. 23d St., New York.	
CC. RAZOR STROPS.	Benjamin F. Badger, Badger Place, Charlestown, Mass.	
	Electric Cutlery Co., 91 Chambers St., New York.	
	Fults & Shull, 44 N. 4th St., Philadelphia, Pa.	
	Kampfe Bros., 8 Reade St., New York.	
	J. R. Torrey & Co., Worcester, Mass.	
DD. SHAVING CASES.	Celluloid Co., Newark, N. J.	*252
	Isaac Kaufmann & Bro., 496 Broadway, New York.	
	Koch, Sons & Co., 543 Pearl St., New York.	
	Lewis Pattberg & Bros., Jersey City, N. J.	
	J. R. Torrey & Co., Worcester, Mass.	
EE. SHOE BUTTON HOOKS.	Arlington Mfg. Co., 84 Leonard St., New York.	
	Armstrong Mfg. Co., Bridgeport, Conn.	*154
	Canastota Knife Co., Canastota, N. Y.	
	M. W. Carr & Co., 7 Lancaster St., Boston, Mass.	
	Celluloid Co., Newark, N. J.	*252
	Cosmopolitan Mfg. Co., Newark, N. J.	
	F. Grote & Co., 114 E. 14th St., New York.	
	J. K. Krieg & Co., 30 Warren St., New York.	
	A. McDonald, Worcester, Mass.	
	New England Awl & Needle Co., West Medway, Mass.	
	Potter & Snell, Deep River, Conn.	
	Tiley, Pratt & Dickinson, Essex, Conn.	
	F. M. Whiting & Co., North Attleboro', Mass.	
FF. SHOE HORNS.	Celluloid Co., Newark, N. J.	*252
	Cosmopolitan Mfg. Co., Newark, N. J.	
	F. Grote & Co., 114 E. 14th St., New York.	
	Meriden Britannia Co., Meriden, Conn.	
	Wallace & Sons Mfg. Co., Wallingford, Conn.	
GG. TOILET ARTICLES, IVORY.	F. Grote & Co., 114 E. 14th St., New York.	
	Jos. Shardlow, 116 Fulton St., New York.	
HH. TOILET ARTICLES, OXIDIZED SILVER.	Joy & Seliger, Newark, N. J.	
	Meriden Silver Plate Co., Meriden, Conn.	
	Pairpoint Mfg. Co., New Bedford, Mass.	*25
II. TOILET ARTICLES, TORTOISE SHELL.	F. Grote & Co., 114 E. 14th St., New York.	
	A. Trenkmann, 241 Centre St., New York.	
JJ. TOILET ARTICLES, RUBBER	C. J. Bailey & Co., 22 Boylston St., Boston, Mass.	
	Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.	
KK. TOILET ARTICLES, WIRE.	Woods, Sherwood & Co., Lowell, Mass.	
LL. TOILET ARTICLES, CELLULOID.	Celluloid Co., Newark, N. J.	*252
MM. TOILET CASES.	W. L. Brown & Co., 361 Broadway, New York.	
	Hargreaves Mfg. Co., Detroit, Mich.	
	Isaac Kaufmann & Bro., 496 Broadway, New York.	
	Newark Decorative Leather Co., Newark, N. J.	
	Lewis Pattberg & Bros., Jersey City, N. J.	
	T. B. Peddie & Co., Newark, N. J.	
	Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.	
	Edward Simon & Bros., Newark, N. J.	
	J. R. Torrey Razor Co., Worcester, Mass.	

Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

NN. TRAVELING CASES.
Abel, Bach & Fitzgerald, Milwaukee, Wis.
Celluloid Co., Newark, N. J. *252
Crouch & Fitzgerald, 556 Broadway, New York.
Goodyear Rubber Co., 487 Broadway, New York.
Hodgman Rubber Co., 459 Broadway, New York.
Northwestern Trunk & Traveling Bag Mfg. Co., Racine, Wis.
T. B. Peddie & Co., Newark, N. J.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.

3411. TOILET PAPER FIXTURES.

Albany Perforated Wrapping Paper Co., Albany, N. Y. *76
Morgan Envelope Co., Springfield, Mass. *79
Woods, Sherwood & Co., Lowell, Mass.

A. TOILET PAPER PLUGS.
Stowell Mfg. Co., Putney, Vt.

3412. TOOTHPICKS.

A. TOOTHPICKS, QUILL.
E. DeYoung, 224 Centre St., New York.

B. TOOTHPICKS, WOOD.
Cutter Tower Co., 10 Federal St., Boston, Mass.
E. L. Marshall, Harbor Springs, Mich.

3413. TREE GUARDS.

F. F. Adams Co., Erie, Pa.
Barbee Wire & Iron Works, 44 Dearborn St., Chicago, Ill.
Central Expanded Metal Co., Pittsburgh, Pa.
Champion Iron Co., Kenton, O.
J. W. Fiske, 26 Park Place, New York.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton St., New York.
Jackson Architectural Iron Works, 315 E. 28th St., New York.
Fred. J. Meyers Mfg. Co., Covington, Ky.
Minneapolis Wire Works Co., Minneapolis, Minn.
Jas. S. Newall & Co., 302 Federal St., Boston, Mass.
G. G. Stryker, Phillipsburg, N. J.
J. H. Van Dorn, Cleveland, O.
A. B. & W. T. Westervelt, 102 Chambers St., New York.

A. PORTABLE TREE GUARDS.
Chieftain Co., Canton, O.

3414. TRESTLES & SCAFFOLDS.

A. FOLDING SCAFFOLD BRACKETS.
Stowell Mfg. Co., Putney, Vt.

B. PAINTERS' SCAFFOLDS.
Davenport Ladder Co., Davenport, Iowa.
W. L. Glidden, 220 Pacific St., Brooklyn, N. Y.
C. W. H. Moulton & Co., E. Cambridge, Mass.

C. ROOF STAGES.
Edwin Prescott, 21 Hamilton St., Boston, Mass.

3415. TROUSERS STRETCHERS.

B. J. Greely, 715 Washington St., Boston, Mass.
Silver & Co., 56 Warren St., New York.

3416. TRUCKS.

A. BACON & HAM TRUCKS.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

B. BAG TRUCKS.
Buffalo Scale Co., Buffalo, N. Y.
J. S. Cochrane, 195 S. 5th Av., New York.
G. S. Foos Co., Springfield, O.
Hauck & Comstock, Mechanicsburg, Pa.
E. H. Pease Mfg. Co., Racine, Wis.
Riehle Bros., 413 Market St., Philadelphia, Pa.
St. Albans Foundry, St. Albans, Vt.
Tiffin Agricultural Works, Tiffin, O.

C. BAGGAGE TRUCKS.
Ames Plow Co., Quincy Hall, Boston, Mass.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Buda Foundry & Mfg. Co., Buda, Ill.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
J. S. Cochrane, 195 S. 5th Av., New York.
Kalamazoo Railroad Velocipede Co., Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lafayette Car Works, Lafayette, Ind.
Lansing Wheelbarrow Co., Lansing, Mich.
Riehle Bros., 413 Market St., Philadelphia, Pa.
Sharon Boiler Works, Sharon, Pa.

D. BARREL TRUCKS.
J. S. Cochrane, 195 S. 5th Av., New York.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Riehle Bros., 413 Market St., Philadelphia, Pa.
Samuel C. Tatum, John & Water Sts., Cincinnati, O.

E. BLOCK TRUCKS.
Ames Plow Co., Quincy Hall, Boston, Mass.

F. BOOK TRUCKS.
Library Bureau, 146 Franklin St., Boston, Mass.

G. BOX TRUCKS.
J. S. Cochrane, 195 S. 5th Av., New York.

A. B. Farquhar & Co., York, Pa.
Frey-Sheckler Co., Bucyrus, O. *162
Howe Scale Co. of 1886, Rutland, Vt.

H. CARPET TRUCKS.
Howe Scale Co., of 1886, Rutland, Vt.
Kemp & Burpee Mfg. Co., Syracuse, N. Y.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

I. COTTON TRUCKS.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Memphis Scale Mfg. Co., Memphis, Tenn.
Riehle Bros., 413 Market St., Philadelphia, Pa.

J. DRY GOODS TRUCKS.
J. S. Cochrane, 195 S. 5th Av., New York.
A. B. Farquhar & Co., York, Pa.
Howe Scale Co. of 1886, Rutland, Vt.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

K. DYE HOUSE TRUCKS.
H. W. Butterworth & Sons, E. York & Cedar Sts., Phila., Pa.

L. FACTORY TRUCKS.
Egan Co., 232 W. Front St., Cincinnati, O. *178

M. HOG TRUCKS.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.

N. IRON TRUCKS.
Jones & Loughlins, Ltd., Pittsburgh, Pa.

O. IRON FREIGHT TRUCKS.
National Barrow & Truck Co., 82 Fulton St., New York.

P. LUMBER TRUCKS.
E. C. Atkins & Co., Indianapolis, Ind. *198
B. F. Sturtevant Co., 34 Oliver St., Boston, Mass.

Q. PIANO TRUCKS.
F. F. Adams Co., Erie, Pa.
Bradt & Shipman, De Kalb, Ill.

R. PLATFORM TRUCKS.
F. F. Adams Co., Erie, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Buffalo Scale Co., Buffalo, N. Y.
Chicago Scale Co., 151 S. Jefferson St., Chicago, Ill.
A. B. Farquhar & Co., York, Pa.
Riehle Bros., 413 Market St., Philadelphia, Pa.

S. RUBBER ROLL TRUCKS.
George P. Clark, Windsor Locks, Conn.

T. STOVE TRUCKS.
J. S. Cochrane, 195 S. 5th Av., New York.
S. Obermayer Foundry Supply Mfg. Co., Cincinnati, O. *54
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Warner Mfg. Co., Freeport, Ill.

U. STUFF BOX TRUCKS.
Black & Clawson Co., Hamilton, O. *200-3

V. WAREHOUSE TRUCKS.
F. F. Adams Co., Erie, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Benicia Agricultural Works, Benicia, Cal.
Boston & Lockport Block Co., 162 Commercial St., Boston, Mass.
Buda Foundry & Mfg. Co., Buda, Ill.
Buffalo Scale Co., Buffalo, N. Y.
J. S. Cochrane, 195 S. 5th Ave., New York.
A. B. Farquhar & Co., York, Pa.
W. P. Horner & Co., Danville, Pa.
Kemp & Burpee Mfg. Co., Syracuse, N. Y.
Kieckhefer Elevator Mfg. Co., Milwaukee, Wis.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Lafayette Car Works, Lafayette, Ind.
Lansing Wheelbarrow Co., Lansing, Mich.
St. Charles Car Co., St. Charles, Mo.
Tiffin Agricultural Works, Tiffin, O.
Whitman Agricultural Co., 8th St. & Clark Av., St, Louis, Mo.

W. WILLOW LAUNDRY TRUCKS.
A. Meinecke & Son, Milwaukee, Wis.

X. TRUCK WHEELS, IRON.
George P. Clark, Windsor Locks, Conn.

3417. TRUNKS.

Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Abel, Bach & Fitzgerald, Milwaukee, Wis.
W. E. Arnold & Co., Baltimore, Md.
Geo. B. Baines & Sons, 402 Market St., Philadelphia, Pa.
R. M. Bingham & Co., Rome, N. Y.
Carpeles & Co., Milwaukee, Wis.
Chilton-Guthrie Trunk Co., Louisville, Ky.
Crouch & Fitzgerald, 556 Broadway, New York.
Josiah Cummings & Son, 109 Summer St., Boston, Mass.
N. Drucker & Co., 110 W. 3d St., Cincinnati, O.
Essex Button Works, Newark, N. J.
Edgar Farmer & Co., Newark, N. J.
N. M. Freling, Kansas City, Mo.
Haskell Bros., 52 Madison St., Chicago, Ill.
Hossfeld Bros., Topeka, Kan.
J. Lagowitz & Co., 473 Broadway, New York.
Lieberman & Kaufmann, Atlanta, Ga.
Henry Lissa & Co., Newark, N. J.
Martin Maier & Co., 102 Woodward Av., Detroit, Mich.
Miller & Strockbine, 514 Market St., Philadelphia, Pa.

Nashville Trunk Manufactory, Nashville, Tenn.
Northwestern Trunk & Travelling Bag Mfg. Co., Racine, Wis.
T. B. Peddie & Co., Newark, N. J.
Romadka Bros., Milwaukee, Wis.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Edward Simon & Bros., Newark, N. J.
Volger & Geudtner, 210 Madison St., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

A. SAMPLE CASES.
Crouch & Fitzgerald, 556 Broadway, New York.
Josiah Cummings & Son, 109 Summer St., Boston, Mass.
Thos. Godson & Son, Troy, N. Y.
Haskell Bros., 52 Madison St., Chicago, Ill.
Likly, McDonald & Rockett, Cleveland, O.
Henry Lissa & Co., Newark, N. J.
Miller & Strockbine, 514 Market St., Philadelphia, Pa.
T. B. Peddie & Co., Newark, N. J.
Chas. F. Rumpp & Sons, 116 N. 4th St., Philadelphia, Pa.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Volger & Geudtner, 210 Madison St., Chicago, Ill.
Western Leather Mfg. Co., 151 5th Av., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

B. SAMPLE TRUNKS.
Crouch & Fitzgerald, 556 Broadway, New York.
Haskell Bros., 52 Madison St., Chicago, Ill.
J. Lagowitz & Co., Harrison, N. J.
Leatheroid Mfg. Co., Kennebunk, Me.
Henry Lissa & Co., Newark, N. J.
T. B. Peddie & Co., Newark, N. J.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Volger & Geudtner, 210 Madison St., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

C. SOLE LEATHER TRUNKS.
Abel, Bach & Fitzgerald, Milwaukee, Wis.
D. Block & Co., San Francisco, Cal.
Crouch & Fitzgerald, 14 Cortlandt St., New York.
Haskell Bros., 52 Madison St., Chicago, Ill.
J. Lagowitz & Co., Harrison, N. J.
Henry Lissa & Co., Newark, N. J.
T. B. Peddie & Co., Newark, N. J.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Edward Simon & Bros., Newark, N. J.
Southern Trunk Co., 204 Public Square, Nashville, Tenn.
Volger & Geudtner, 210 Madison St., Chicago, Ill.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

D. STEEL TRUNKS.
Henry Lissa & Co., Newark, N. J.

E. TRUNK COVERS.
J. Lagowitz & Co., Harrison, N. J.
Henry Lissa & Co., Newark, N. J.
John F. McHugh, 1263 Broadway, New York.
T. B. Peddie & Co., Newark, N. J.
Chas. T. Wilt, 40 E. Madison St., Chicago, Ill.

F. TRUNKS, LINENOID.
Crane Bros., Westfield, Mass. *74

G. VULCANIZED FIBRE TRUNKS.
Vulcanized Fibre Co., Wilmington, Del.

3418. TUMBLER WASHERS. Henry C. Blair's Sons, 800 Walnut St., Philadelphia, Pa.

3419. TURNED WOODEN GOODS.
Thomas H. Chubb, Post Mill Village, Vt.
E. B. Estes & Sons, 254 Pearl St., New York.
Novelty Wood Works, Union City, Pa.
Piqua Handle & Mfg. Co., Piqua, O. *212
Joseph Shardlow, 116 Fulton St., New York.

3420. UMBRELLAS.
Bacon & Eaton, 53 White St., New York.
E. S. Badger, 29 Temple Place, Boston, Mass.
Belknap, Johnson & Powell, 619 Chestnut St., Philadelphia, Pa.
A. Cappell, Dayton, O.
Geo. W. Doyle, Elmira, N. Y.
Ellis, Knapp & Co., 371 Broadway, New York.
Excelsior Umbrella Mfg. Co., 13 Chauncey St., Boston, Mass.
Feuchtwanger & James, 20 White St., New York.
Follmer, Clogg & Co., 414 Broadway, New York.
S. S. Fretz, 22 N. 4th St., Philadelphia, Pa.
Jos. Fussell & Son, 2 N. 4th St., Philadelphia, Pa.
L. L. Gans & Bro., 349 Broadway, New York.
Goodridge Umbrella Co., Cleveland, O.
Alvah Hall & Co., 98 Franklin St., New York.
Heiter, Glen & Cawley, 8 White St., New York.
Abe Hirsh & Bro., 416 Market St., Philadelphia, Pa.
Hirsh & Bro., 1309 Market St., Philadelphia, Pa.
Lesem, Mayer & Dazian, 72 Walker St., New York.

W. U. Lewisson & Co., 23 Kingston St., Boston, Mass.
J. D. & R. M. Lilley, 65 Court St., Boston, Mass.
C. Lingemann & Co., Detroit, Mich.
Amasa Lyon & Co., 684 Broadway, New York.
Mohr Bros., 1409 S. Broadway, St. Louis, Mo.
John O'Hara & Co., 181 Shawmut Av., Boston, Mass.
Max L. Rau & Sons, 71 Leonard St., New York.
Rose Bros. & Hartman, Lancaster, Pa.
A. Simon, 195 E. Houston St., New York.
Schloss Bros., 336 Broadway, New York.
Isaac Smith's Son & Co., 928 Broadway, New York.
White, Howard & Major, 25 Union St., New York.
M. Winelander & Co., 17 N. 3d St., Philadelphia, Pa.
Wright Bros. & Co., 324 Market St., Philadelphia, Pa.

A. GOLD & SILVER HEADED UMBRELLAS.
Belknap, Johnson & Powell, 619 Chestnut St., Philadelphia, Pa.
J. F. Fradley, 23 John St., New York.
Hirsh & Bro., 1309 Market St., Philadelphia, Pa.
Lesem, Mayer & Dazian, 72 Walker St., New York.
Amasa Lyon & Co., 684 Broadway, New York.
Wright Bros. & Co., 324 Market St., Philadelphia, Pa.

B. PARASOLS.
Belknap, Johnson & Powell, 619 Chestnut St., Philadelphia, Pa.
Ellis, Knapp & Co., 371 Broadway, New York.
Feuchtwanger & James, 20 White St., New York.
Follmer, Clogg & Co., 414 Broadway, New York.
Jos. Fussell & Son, 2 N. 4th St., Philadelphia, Pa.
L. L. Gans & Co., 349 Broadway, New York.
Heiter, Glen & Cawley, 8 White St., New York.
Abe Hirsh & Bro., 416 Market St., Philadelphia, Pa.
Hirsh & Bro., 1309 Market St., Philadelphia, Pa.
Lesem, Mayer & Dazian, 72 Walker St., New York.
C. Lingemann & Co., Detroit, Mich.
Amasa Lyon & Co., 684 Broadway, New York.
Isaac Smith's Son & Co., 928 Broadway, New York.
Wright Bros. & Co., 324 Market St., Philadelphia, Pa.

C. RUBBER UMBRELLAS.
Goodyear Rubber Co., 487 Broadway, New York.
Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn.
Lesem, Mayer & Dazian, 73 Walker St., New York.

D. WAGON UMBRELLAS.
Isaac Smith's Son & Co., 928 Broadway, New York.

3421. URINE TEST CASES.
Haussmann, McComb & Dunn, Chicago, Ill.

3422. VACCINE VIRUS.
Codman & Shurtleff, 13 Tremont St., Boston, Mass.

3423. VALISES.
Abel, Bach & Fitzgerald, Milwaukee, Wis.
Geo. B. Baines & Sons, 412 Market St., Philadelphia, Pa.
Carpeles & Co., Milwaukee, Wis.
Chilton-Guthrie Trunk Co., Louisville, Ky.
Crouch & Fitzgerald, 556 Broadway, New York.
N. Drucker & Co., 110 W. 3d St., Cincinnati, O.
A. F. Eggers & Co., Newark, N. J.
Edgar Farmer & Co., Newark, N. Y.
Hossfeld Bros., Topeka, Kan.
J. Lagowitz & Co., 473 Broadway, New York.
Lieberman & Kaufmann, Atlanta, Ga.
Miller & Strockbine, 514 Market St., Philadelphia, Pa.
Nashville Trunk Manufactory, Nashville, Tenn.
T. B. Peddie & Co., Newark, N. J.
Romadka Bros., Milwaukee, Wis.
Schmit Bros. Trunk Co., Oshkosh, Wis.
Edward Simons & Bro., Newark, N. J.

3424. VASES.

A. BRASS VASES.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
H. L. Judd & Co., 87 Chambers St., New York.
J. & R. Lamb, 59 Carmine St., New York.

B. BRONZE VASES.
Ansonia Clock Co., 11 Cliff St., New York. *211
F. Kroeber Clock Co., 360 Broadway, New York.
New Jersey Lamp & Bronze Works, New Brunswick, N. J.

C. FLOWER VASES.
Champion Iron Co., Kenton, O.
Maine Red Granite Co., Red Beach, Me.

D. GARDEN VASES.
Abendroth Bros., 109 Beekman St., New York.
Calumet Fire Clay Co., Calumet, O.
J. W. Fiske, 28 Park Place, New York.
Harvey, Moland & Co., 620 Arch St., Philadelphia, Pa.
Hecla Iron Works, N. 11th & 3d Sts., Brooklyn, N. Y.
A. H. Hews & Co., N. Cambridge, Mass.
M. D. Jones & Co., 76 Washington St., Boston, Mass.
Pierce Mfg. Co., Bridgeport, Conn.
Portland Stoneware Co., Portland, Me.
J. H. Van Dorn, Cleveland, O.

E. IRON VASES.

N. U. Walker Clay Mfg. Co., Walkers, O.
E. T. Barnum, Detroit, Mich.
S. Freeman & Sons Mfg. Co., Racine, Wis.
Illinois Iron & Bolt Co., Carpentersville, Ill.
John C. Jewett Mfg. Co., Buffalo, N. Y.
Variety Iron Works, York, Pa.

3425. VENTILATORS.

Berger Mfg. Co., Canton, O
Bramhall, Deane & Co., 264 Water St., New York.
A. M. Bristol, Rochester, N. Y.
Buffalo Forge Co., Buffalo, N. Y.
Buffalo Register Works, Buffalo, N. Y.
M. C. Bullock Mfg. Co., 1170 W. Lake St , Chicago, Ill.
Robert Burr, 6 Province Court, Boston, Mass.
Cheney & Hewlett, 207 Broadway, New York.
J. B. & J. M. Cornell, 141 Centre St., New York.
W. G. Creamer & Co., 96 John St., New York.
Demond & Co., 38 Cortlandt St., New York.
Eureka Ventilation Co., 220 Devonshire St., Boston, Mass.
Globe Ventilator Co., Troy, N. Y.
Geo. A. Hayes & Co., Newark, N. J.
F. H. Holton & Co., 52 Pearl St., Boston, Mass.
Howard & Morse, 45 Fulton St., New York.
John Hyslop, 206 E. 29th St., New York.
Iwan Bros , Streator, Ill.
Jackson Architectural Iron Works, 315 E. 28th St., New York.
Kansas City Corrugated Iron & Ventilat'g Co., Kansas City, Mo.
Lithgow Mfg. Co., Louisville, Ky. *56
George R. Lombard & Co., Augusta, Ga.
Merchant & Co., 517 Arch St., Philadelphia, Pa.
John Merry & Co., 539 W. 15th St., New York.
G. R. Moore, Jr., 407 Green Lane, Philadelphia, Pa.
Geo. N. Pierce & Co., Buffalo, N. Y.
Preble Machine Works, 38 W. Monroe St., Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Reardon & Ennis, Troy, N. Y.
Simonds Mfg. Co., 50 Cliff St., New York.
Chas. Thuener & Co., 8 S. Jefferson Av., St. Louis, Mo.
Tuttle & Bailey Mfg. Co., 83 Beekman St., New York.
E. Van Noorden & Co., 383 Harrison Av., Boston, Mass.
Geo. A. Williams, 85 Fulton St., New York.
L. J. Wing & Co., 126 Liberty St., New York.

A. CHIMNEY VENTILATORS. Globe Ventilator Co., Troy, N. Y.
B. GAS JET VENTILATORS. Fort Worth Iron Works, Fort Worth, Tex.
C. MECHANICAL VENTILATORS. Howard & Morse, 45 Fulton St., New York.
D. ROOF VENTILATORS. L. J. Wing & Co., 126 Liberty St., New York.
E. WINDOW VENTILATORS. Samuel Roebuck, 164 Fulton St., New York.

3426. VIOLIN CHIN RESTS. Joseph Bohmann, 306 S. State St., Chicago, Ill.

3427. WALL PAPERS.

Allen Bros. & Co., Sandy Hill, N. Y.
H. Bartholomae & Co., 126 W. 33d St., New York.
Fr. Beck & Co., 334 7th Av., New York.
M. H. Birge & Sons, Buffalo, N. Y.
Boston Wall Paper Co., 20 Summer St., Boston, Mass.
Wm. Campbell & Co., 503 W. 41st St., New York.
Carey Bros., 2228 N. 10th St., Philadelphia, Pa.
Henry Gledhill & Co., 526 W. 34th St., New York.
Robt. Graves Co., 506 Fulton St., Brooklyn, N. Y.
Robt. S. Hobbs & Co., 133 Columbia St., Brooklyn, N. Y.
Howell & Bros., Ltd., S. 21st St. & Washington Av., Phila., Pa.
J. L. Isaacs Wall Paper Co., 1210 Olive St., St. Louis, Mo.
Janeway & Co., New Brunswick, N. J.
Lartz Wall Paper Co., 45 Randolph St., Chicago, Ill.
Edward Leissner, 432 E. 71st St., New York.
Nevius & Haviland, 406 Broadway, New York.
Pratt & Hamann, 512 W. 36th St., New York.
Warren, Fuller & Co., 129 E. 42d St., New York.
Wilson & Fenimore, Bristol, Pa.

A. LINCRUSTA WALTON. Fr. Beck & Co., 334 7th Av., New York.

3428. WATERING TROUGHS.

S. S. Bent & Son, 111 Chambers St., New York.
Carlisle Mfg. Co., Carlisle, Pa.
J. W. Fiske, 28 Park Place, New York.
N. U. Walker Clay Mfg. Co., Walkers, O.

3429. WATER PURIFIERS. Field Water Purifier Co., Minneapolis, Minn.

3430. WAX.

A. BEESWAX. W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74

Eckermann & Will, Syracuse, N. Y.
S.Obermayer Fdry. Sup.Mfg. Co.,Evans, S.of 8th St., Cin.,O. *54
Reed, Hall & Hewlett, 20 Platt St., New York.
G. F. Whitney, 20 Norfolk Av., Boston, Mass.

B. BLEACHED BEESWAX.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74
Chas. Cooper & Co., 194 Worth St., New York.
Eckermann & Will, Syracuse, N. Y.
Chas. H. Phillips Chemical Co., Stamford, Conn.
Smith & Nichols, 143 Front St., New York.

C. MINERAL WAX.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74
L. D. Mix Oil & Naphtha Co., Cleveland, O.

D. OZOKERITE.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74

E. PARAFFINE WAX.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74
Crew-Levick Co., 113 Arch St., Philadelphia, Pa.
Meriam & Morgan Paraffine Co., Cleveland, O.
Smith & Nichols, 143 Front St., New York.
Standard Oil Co., Cleveland, O.
Tidewater Oil Co., 12 Broadway, New York.

F. SHEET WAX.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74
Chas. H. Phillips Mfg. Co., Stamford, Conn.

G. WHITE WAX.
W. H. Bowdlear & Co., 36 Central Wharf, Boston, Mass. *74
Smith & Nichols, 143 Front St., New York.

3431. WAXWORK.
Francis Baumer, Syracuse, N. Y.

3432. WELL CURBING.
R. S. Beers & Co., Bridgeport, Conn.
Chas. G. Blatchley, 25 N. Juniper St., Philadelphia, Pa.
W. & B. Douglas, Middletown, Conn. *162
Jas. L. Haven Co., 56 Plum St., Cincinnati, O.
Portland Stoneware Co., Portland, Me.

3433. WIGS.
B. F. Burgess & Son, 11 West St., Boston, Mass.
Robt. Cohen, 214 Bowery, New York.
J. J. Grauss, Buffalo, N. Y.
Helmer & Lietz, 125 4th Av., New York.
Chas. Meyer, 119 4th Av., New York.
L. Rauchfuss, 44 E. 12th St., New York.

3434. WILLOW WARE.
Goodman Mfg. Co., Richmond, Va.
Edward Jansen, 124 W. 19th St., New York.
A. Meinecke & Son, Milwaukee, Wis.
Peurrung, Bro. & Co., 2d & Vine Sts., Cincinnati, O.

3435. WINDOW BOXES.
L. H. Baldwin, 40 Prince St., New York.
Jacob C. Cassel, 709 Arch St., Philadelphia, Pa.
Manhattan Brass Co., 338 E. 28th St., New York.
Pittsburgh Clay Mfg. Co., New Brighton, Pa.

3436. WOODEN WARE.
J. H. Batchelder Mfg. Co., St. Helena, Ark.
Cooper & McKee, 119 Gwinnett St., Brooklyn, N. Y.
Creamery Package Mfg. Co., 20 N. Clark St., Chicago, Ill.
Dimock, Gould & Co., Moline, Ill.
Edward Jansen, 124 W. 19th St., New York.
L. H. Mace & Co., 111 E. Houston St., New York.
Nashua Novelty Works, Nashua, N. H.
Peurrung, Bro. & Co., 2d & Vine Sts., Cincinnati, O.

3437. WOODEN WATER CANS.
Richmond Cedar Works, Ltd., Richmond, Va.

3438. WORK BOXES.
Koch, Sons & Co., 543 Pearl St., New York.
Lewis Pattberg Bros., Jersey City, N. J.
Van Stone Mfg. Co., Providence, R. I.
H. C. White, N. Bennington, Vt.

3439. YARDSTICKS.
Belcher Bros. & Co., Newark, N. J.
Milton Bradley Co., Springfield, Mass.
H. C. Lapin's Sons, Pine Meadow, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Stephens & Co., Riverton, Conn.
Wescott Bros., Seneca Falls, N. Y.

3440. ZYMOSIMETERS.
Eimer & Amend, 205 3d Av., New York.

SECTION II.

SEEGER & GUERNSEY'S CYCLOPÆDIA

OF THE

Manufactures and Products

OF THE

UNITED STATES

See Index to Manufacturers in Section II, Page 262.

THE

SEEGER & GUERNSEY

COMPANY,

NEW YORK.

EXPORT AND IMPORT

COMMISSION MERCHANTS.

BUYERS AND SHIPPERS

of all classes of American Goods.

ADVANCES made against approved

Consignments of Foreign Products.

Cable Address: SEEGERNSEY.

THE DELAWARE CHAIR CO., DELAWARE, O.

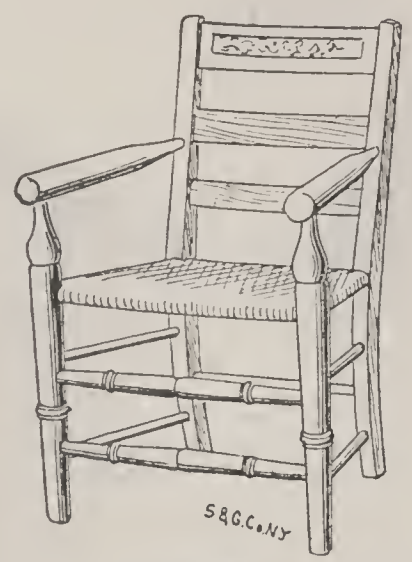
MANUFACTURERS OF

Double Cane Chairs AND Rockers,

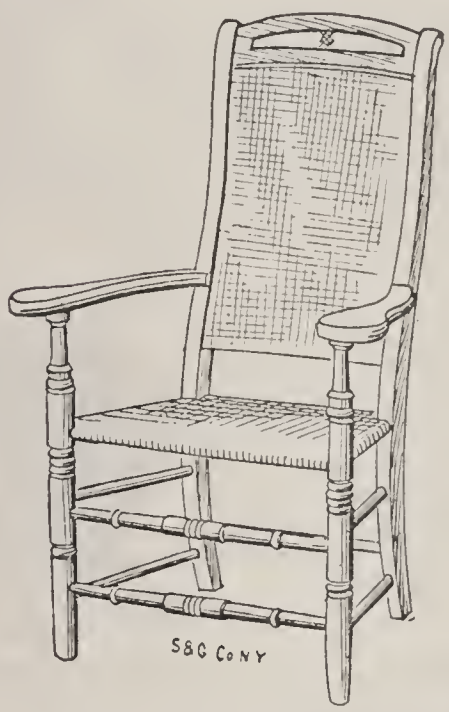
For Sitting Room, Library, Office, Balcony or Lawn.

Guaranteed to be made from thoroughly seasoned Lumber, of superior workmanship.

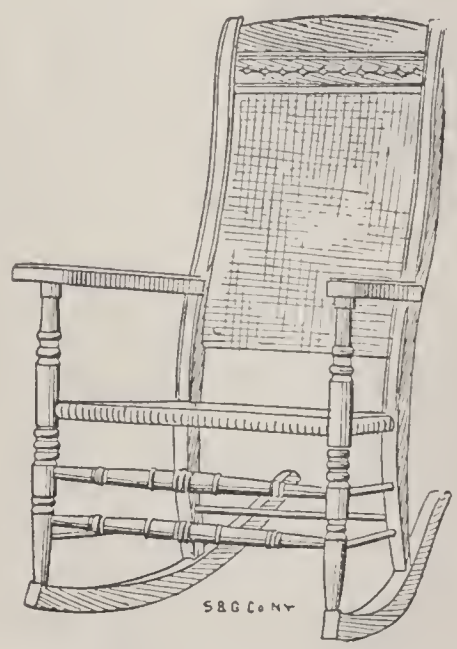
No. 47, Office. In cases of one dozen measuring 20 cubic feet.



No. 90, Office. In cases of one dozen measuring 20 cubic feet.



No. 10½, Balcony. In cases of ½ dozen, measuring 14 cubic feet.



No. 56-A, Rocker. In cases of ½ dozen, measuring 14 cubic feet.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

CANTON SURGICAL AND DENTAL CHAIR CO.

No. 62, 64 and 66 EAST SEVENTH ST., CANTON, OHIO, U. S. A.

Sole Manufacturers of "Yale" Surgical Chairs,
Gould Dental Chairs, Fletcher Fountain Spittoons, Duplex Cord Dental Engines,
Wilcox Spiral Dental Engines, etc., etc.

The "Yale" Surgical Chair.

Pronounced the *ne plus ultra* by the Surgeon, Gynæcologist, Oculist and Aurist.

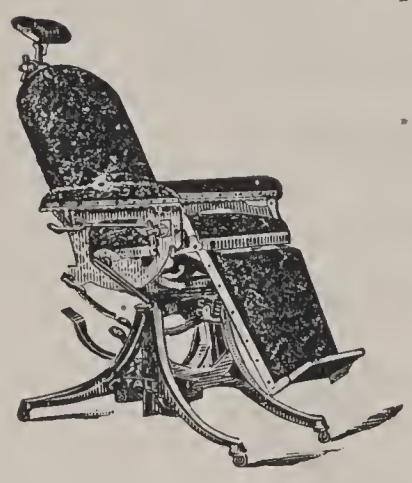


Fig. 1. Normal

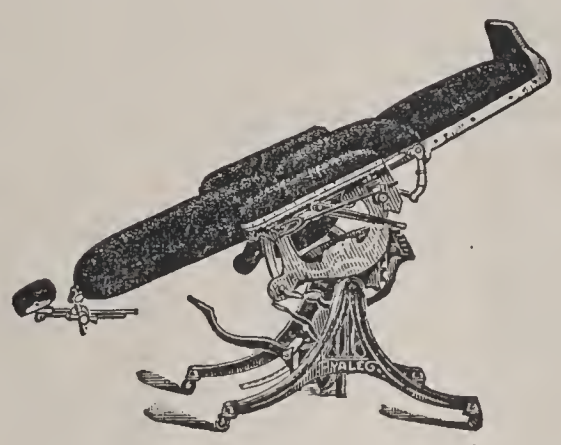


Fig. 9. Chloroform Narcosis

Fig. 17. Dorsal

THE "YALE" is the most complete chair ever offered to the Surgeon, Gynæcologist, Oculist or Aurist. Every position known to the profession is easily and quickly obtained. Has the largest range of movements. Can be firmly locked in any desired position. Does away with moving patient to get dorsal position. Secures the most desirable inclinations for the Sim's position. Can be raised, lowered, revolved or tilted with patient in position to get the best lights. It is the strongest and most substantial chair made. The only chair in which all the movements known to modern surgical and gynæcological work are combined in a single chair; new and valuable features that no other chair possesses It is simple in mechanism, strong in construction, beautiful in design and easily understood and operated.

A few of the positions are; normal, reclining, semi-reclining, horizontal, three-quarter length, dorsal, Sim's, right or left lateral, oblique, dorsal with hips raised, side tilt, raising or lowering, chloroform narcosis, rotating, etc.

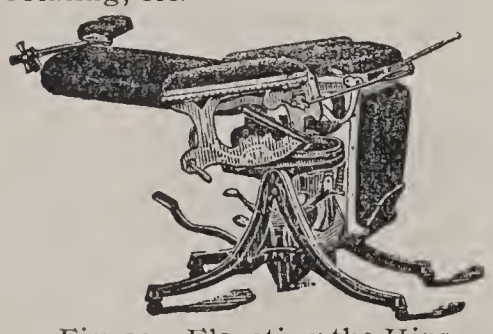


Fig. 15. Elevating the Hips

Prices—Packed and Delivered on Cars at Factory.

No. 10,	Upholstered in	Leather Sett Pattern	$90 00
" 11,	"	Embossed Maroon Leather	80 00
" 12,	"	Fraize Mohair Plush	87 00
" 14,	"	Plain Mohair Plush	85 00
" 15,	"	Crushed Cardinal Mohair Plush	82 00
" 16,	"	Plain Maroon Leather	75 00

Cash, with order, ten per cent. discount from above price.

Size of Box, 3′ 0″ x 2′ 8″ x 2′ 11″=23½ cubic feet.

Weight, about 350 lbs. boxed.

Each chair is supplied with the most complete stirrups for Gynæcological practice, also with the GOULD HEAD REST, which is universal in its adaptations for the Aurist or Oculist. No other chair can compare with the "YALE" in completeness, strength, adaptation, convenience and finish. We challenge competition, and solicit an investigation of its merits before you purchase.

Hundreds sold every year, and every one giving the best of satisfaction, is the best evidence that they are not only the best, but are just as represented. Do not be deceived in buying any other that is "just as good" as the "YALE;" it can not be done. We have features in the "YALE," patented to us that no one else can use.

It has no Equal in range of movements and positions, and ease of adjustment.

It embodies utility, beauty, convenience and durability.

Fig. 13. Sim's Position

LARGE CATALOGUE FREE.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Canton Surgical and Dental Chair Co.,

The Improved Gould Dental Chair.

"It is no longer necessary to buy a slice of the earth to get a good Dental Chair."—*Dentist.*

THE MOST POPULAR CHAIR IN THE MARKET.

Fig. 2. Normal

Fig. 4. Right Lateral Tilt

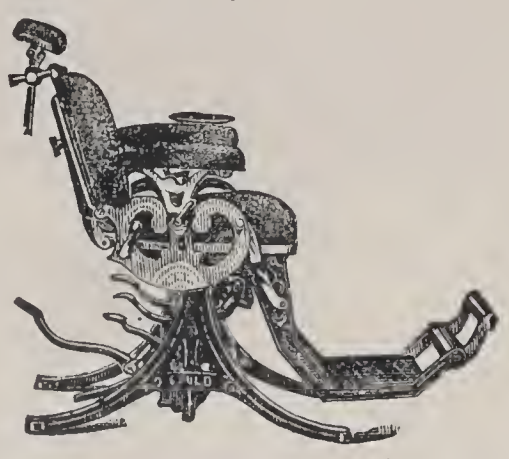


Fig. 6. Lowest position 23 inches

DECIDEDLY the best Dental Chair ever invented. It embodies utility, beauty, convenience and durability. No other chair has either Oblique, Chloroform Narcosis or Anæsthetic positions. The arms can be raised or lowered, or taken off. It has a chair-back tilt, independent of chair body movement. Also adjustable back, fifteen inches above the seat in lowest position, and twenty-two inches when in highest position; a vertical variation of seven inches Leading positions not gained in any other. Sold at prices and on terms within the reach of every dentist. No cranks used. It is a pedal lever chair, strong light and durable. It raises by pedal lever, from twenty-three inches, lowest, to thirty-two inches, highest, and lowers by an automatic lowering device without jarring. Each chair is provided with a handsome nickel-plated cuspidor and adjustable attachment, also child's step in leg rest, and the celebrated Gould head rest. Base and large metal parts highly finished and decorated in gold bronze; head rest and small metal parts nickel-plated.

It has no equal in range of movements and positions, and ease of adjustment.

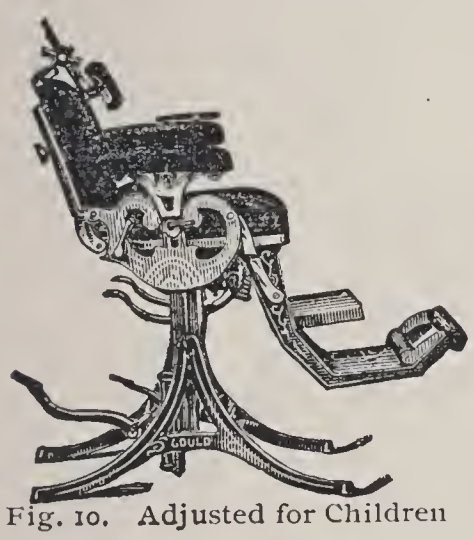


Fig. 10. Adjusted for Children

Prices—Packed and Delivered on Cars at Factory.

No. 32,	Upholstered in Fraize Mohair Plush	$110 00
" 33,	" Crimson Silk Plush	105 00
" 34,	" Plain Mohair Plush	100 00
" 35,	" Crushed Cardinal Mohair Plush	95 00
" 36,	" Embossed Maroon Leather	95 00
" 37,	" Plain Maroon Leather	90 00
" 38.	" Corduroy	90 00

Cash, with order, 10 per cent. discount from above price.
Size of Box, 4′ 4″ x 2′ 2″ x 2′ 10″=26½ cubic feet.
Weight about 350 lbs., boxed.

FLETCHER FOUNTAIN SPITTOONS.

Connects with sewer. Beautiful design, nicely nickel-plated, durable, substantial, convenient. Price, complete, $60 00.
Size of Box, 4′ 0″ x 1′ 2″ x 1′ 2″=5½ cubic feet.
Weight about 75 lbs. boxed.

WILCOX SPIRAL DENTAL ENGINES.

Prices—Packed and Delivered on Cars at Factory, without Instruments.

No. 1,	with Sattler Hand Piece	$35 00
" 2,	" S. S. White Hand Piece, No. 7, instead of Sattler Hand Piece	40 00

Size of Box, 2′ 10″ x 1′ 3″ x 6′=1⅔ cubic feet. Weight, about 55 lbs. boxed.

DUPLEX CORD DENTAL ENGINES.

Prices—Packed and Delivered on Cars at Factory, without Instruments.

No. 3,	with Sattler Hand Piece	$45 00
" 4,	" S. S. White Hand Piece No. 7, instead of Sattler Hand Piece	50 00

Size of Box, 2′ 10″ x 1′ 3″ x 6′=1⅔ cubic feet. Weight, about 60lbs. boxed.

Fig. 8. Highest Position 32 inches.

LARGE CATALOGUE FREE.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

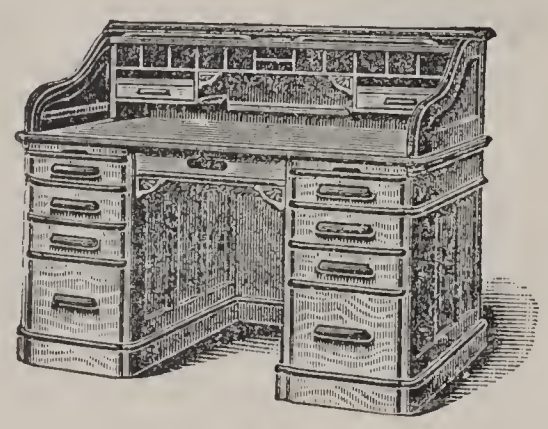
THE INDIANAPOLIS CABINET COMPANY, INDIANAPOLIS, IND. U. S. A.

No. 44 ST. MARY AXE,

London, E. C. - England.

The largest desk factory in the world. Annual product is greater than any four other factories. The only office desks that will stand tropical climates. 150 styles. Write to London or Indianapolis for full catalogues.

PEERLESS DESKS.



	No.	Length	Width	Heighth	List Price	Cable
Low Roll,	150,	54 inches,	34 inches,	45 inches,	$55 00	*Aloft*
"	151,	60 "	34 "	45 "	60 00	*Alogy*
High Roll	152,	54 "	34 "	52 "	70 00	*Aloin*
"	153,	60 "	34 "	52 "	80 00	*Alone*

STANDARD DESKS.

	No.	Length	Width	Heighth	List Price	Cable
Low Roll,	105,	48 inches,	30 inches,	45 inches,	$30 00	*Along*
"	106,	54 "	34 "	45 "	32 00	*Aloof*
"	107,	60 "	34 "	45 "	36 00	*Aloud*
High Roll,	108,	54 "	34 "	52 "	39 00	*Alpen*
"	109,	60 "	34 "	52 "	43 00	*Alpha*
Low Roll,	104, (one nest of drawers only.)	42 "	30 "	45 "	24 00	*Altar*

Adopted as standard by the United States Government.
Over fifty per cent. of our product is exported.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

JOHN LOUGHLIN, Sole Proprietor.

The Celebrated "Fashion" School Desk

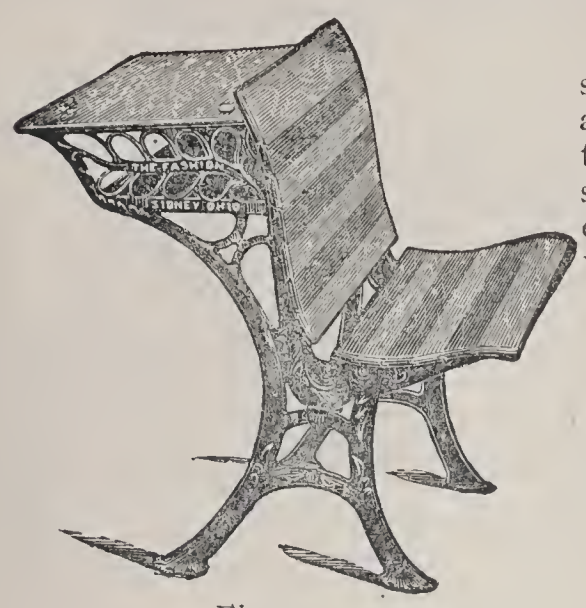


Fig. 3.

Possesses in the fullest degree the qualities of comfort, strength, convenience and durability, and is especially adapted for export trade, because its peculiar construction permits it to be packed more securely and in less space than any other desk made, and it is much more easily and quickly set up on arrival. 3,000,000 now in use in the leading schools of the United States.

Fig. 1

In setting up the "FASHION" the top is put on first, as shown in Fig. 1. The T-head of the wood and iron fit into and on each other the whole width of the top. When the top is on, the iron standards are set on their feet, as shown in Fig. 2, and the seat is put on with the two large bolts.

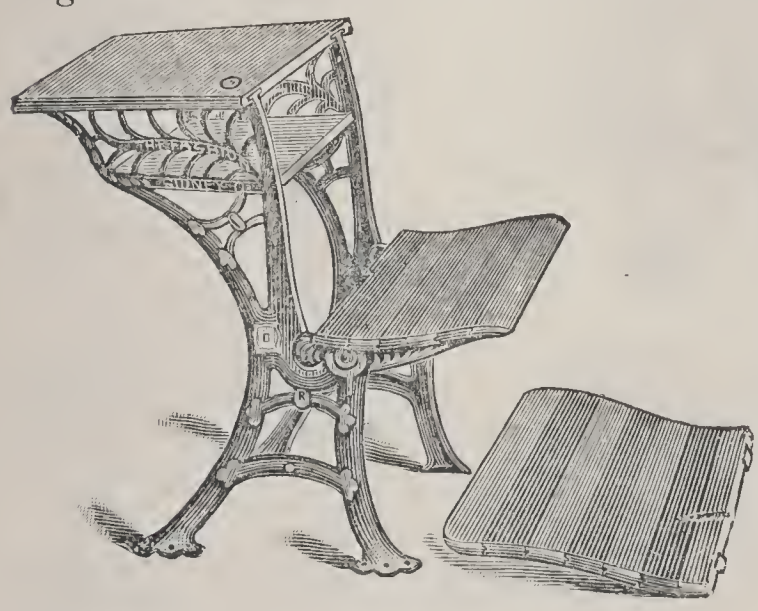
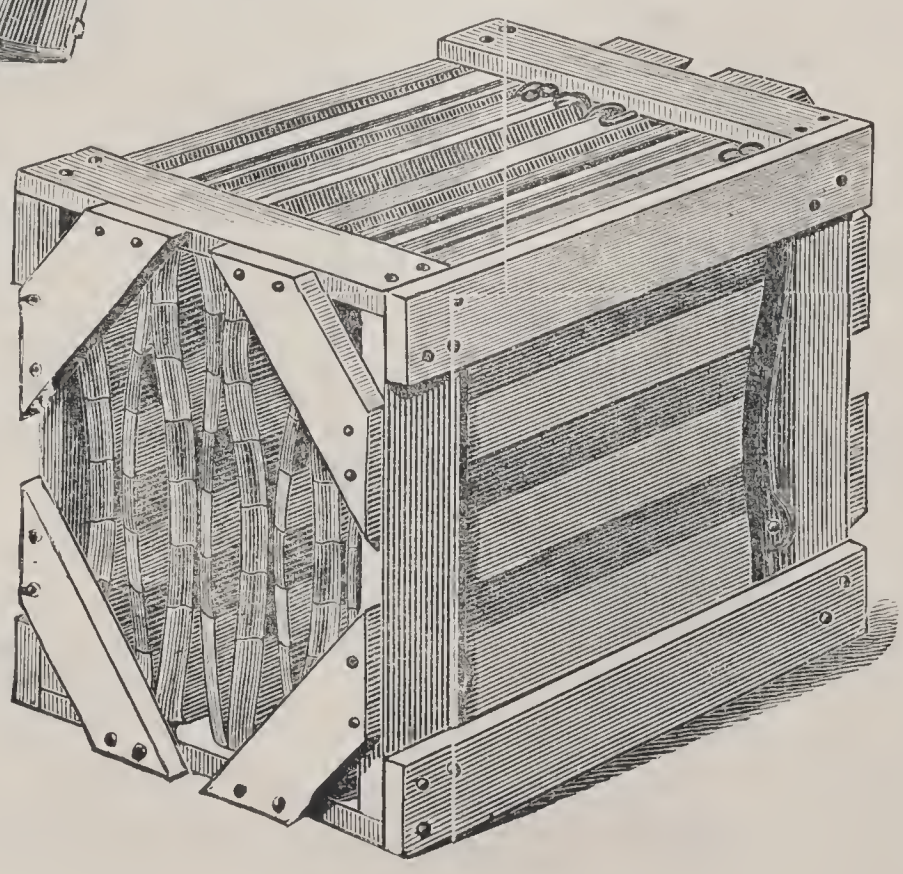


Fig. 2

Next the book-shelf is shoved into its groove from the front, and then the back is placed in position and bolted to the standards with the four bolts. This completes the setting up, and shows it to be a very simple process, consisting of driving on the top and bolting on the seat with two bolts, and the back with four bolts, and shoving the book-shelf in its groove.

After putting the anchor screws in the top, the desk is ready to screw to the floor, as shown in Fig. 3. All necessary bolts, screws, washers, etc., are furnished with each shipment; also, a hinge wrench and a chilled cast punch to spread the bolts, so the nuts can not possibly loosen or come off.



This cut shows the manner of crating the "FASHION" for shipment so as to occupy the least possible space and prevent any liability of marring or breaking in transit.

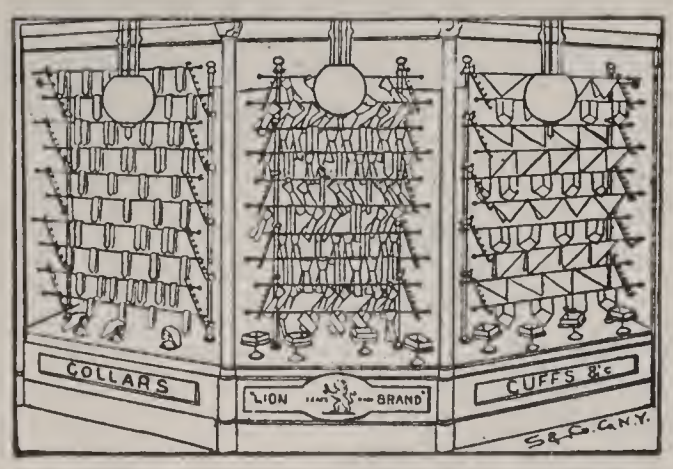
For special export prices and complete descriptive catalogue, address as above.

THE NORWICH NICKEL & BRASS WORKS, NORWICH, CONN.

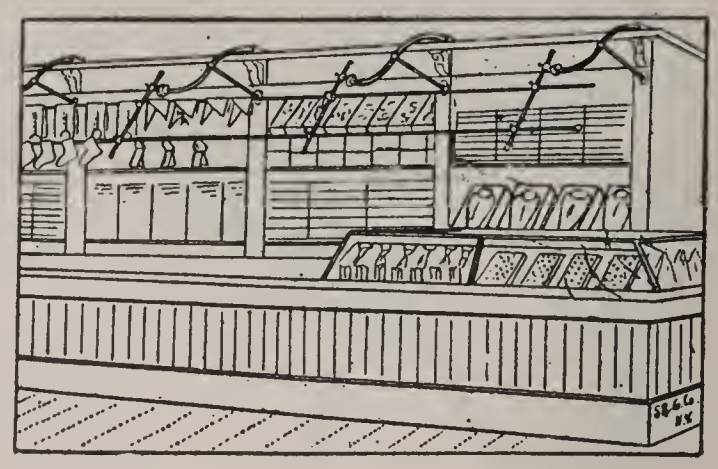
NEW YORK SALESROOMS, 142 EIGHTH ST., 2d Building East of Broadway.

Manufacturers of

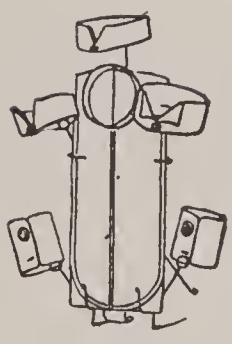
Display Fixtures for Shoe and Dry Goods Dealers, Hatters, Haberdashers, Outfitters, etc. These Fixtures are of intrinsic merit, perfect in adjustment, handsome in appearance, and unquestionably superior in every respect to all other makes. Nickeled or finished in Brass. For further particulars send for catalogue.



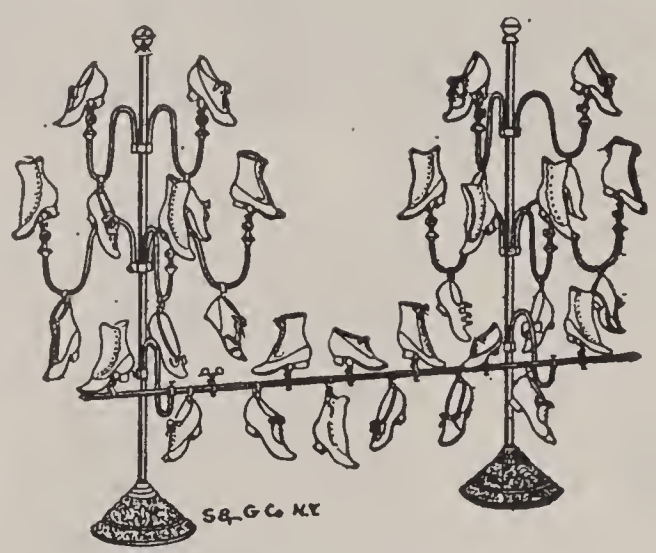
"Perfection" Frames for Window Display
Cable: *Alure*



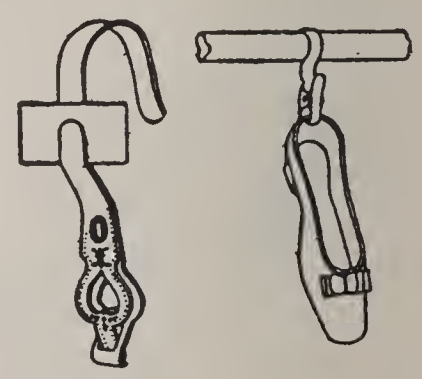
"Acme" Fixture for Counter Display
Cable: *Alway*



Easel for Shirt Display
Cable: *Amain*

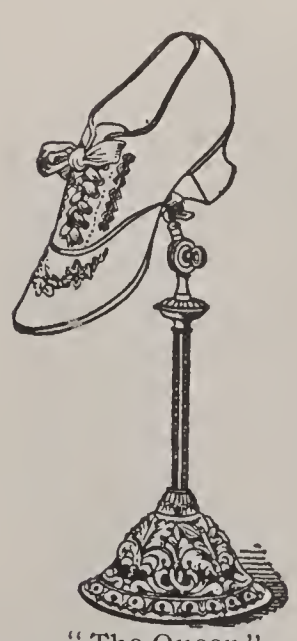


The "Serpentine" Shoe Display Frame
Cable: *Amass*

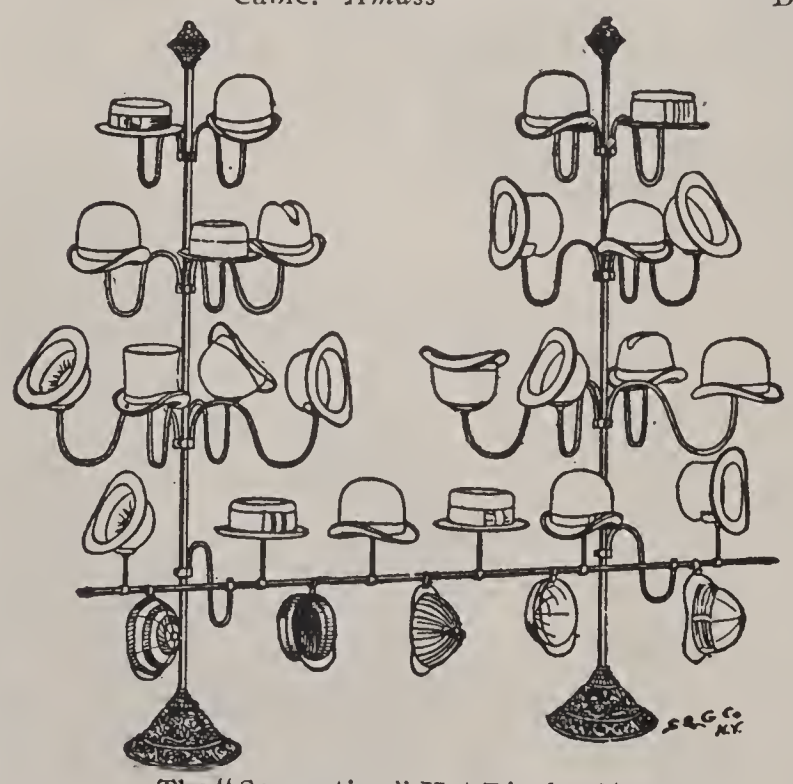


The "Intrinsic" Display Hook
Cable: *Amate*

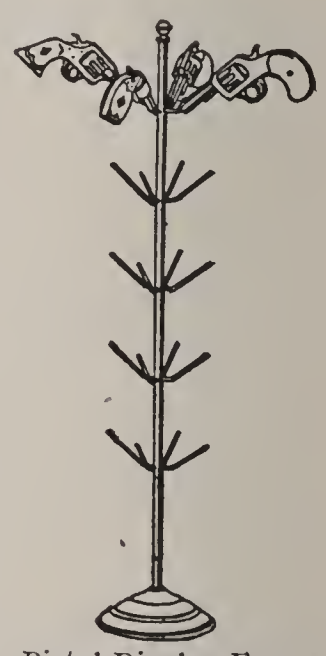
The "Handy" Display Hook
Cable: *Amaze*



"The Queen"
Individual Shoe Stand
Cable: *Amber*



The "Serpentine" Hat Display Frame
Cable: *Ambit*

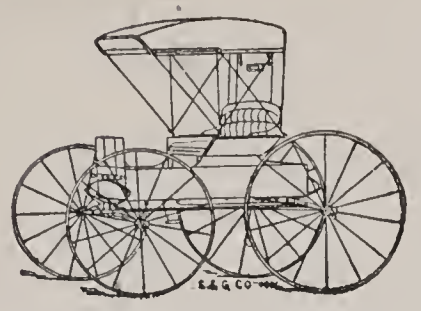


Pistol Display Frame
Cable: *Amble*

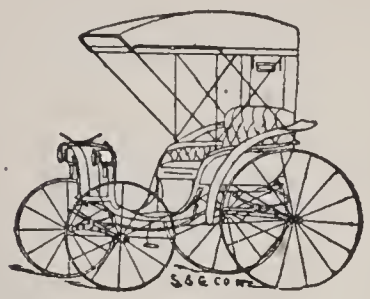
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

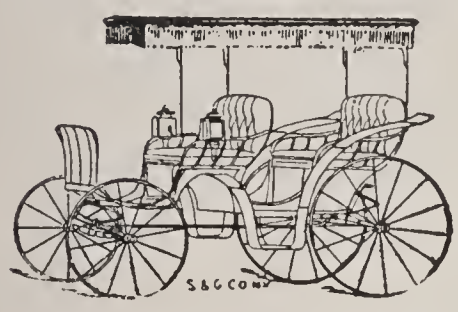
The Franklin Buggy Co., Columbus, O., U. S. A.



No. 31. Price, open, $75.00, Full Leather Top, $100.00, Rubber Side Curtains.



No. 157.
Price, Full Leather Top, $150.00.



No. 101. Open, $180.00. Canopy Top and Curtains, $210.00.

EXPORTING A SPECIALTY.

DESCRIPTION.

WHEELS. Our own manufacture, strictly first class, Sarven or banded.

TIRES. Best oval edge steel, full bolted.

GEAR. Thoroughly season selected hickory, rear king bolts, fifth wheel 10-inch circle, wrought steps, ironed perfectly throughout.

BODY. The best selected ash frames, deep poplar panels.

SEAT. Full convex, strongly ironed, wrought iron shifting rail.

TOP. Columbus style, full length steel bow sockets, either 2 or 4 bows, either green or brown leather, or green cloth trimmings, best makes.

PAINTING. Body black, gear either Brewster green, wine color, or black, striping to suit purchasers.

Full Illustrated Catalogue on Application.

Peters & Calhoun Co., 33 Warren St., New York

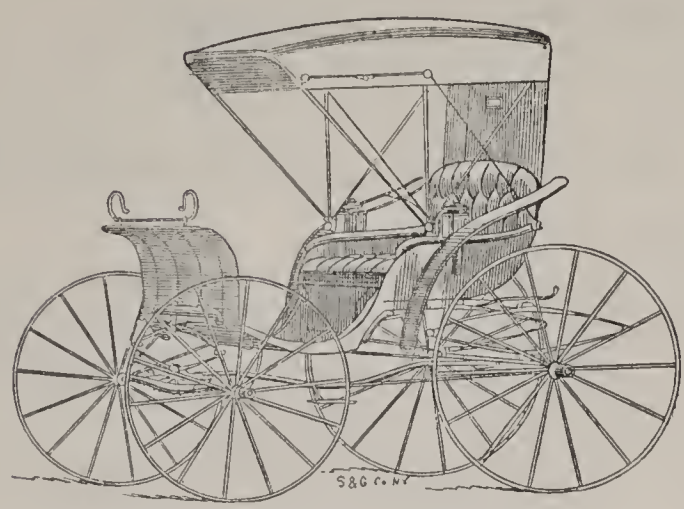
Wholesale Manufacturers of

SADDLES

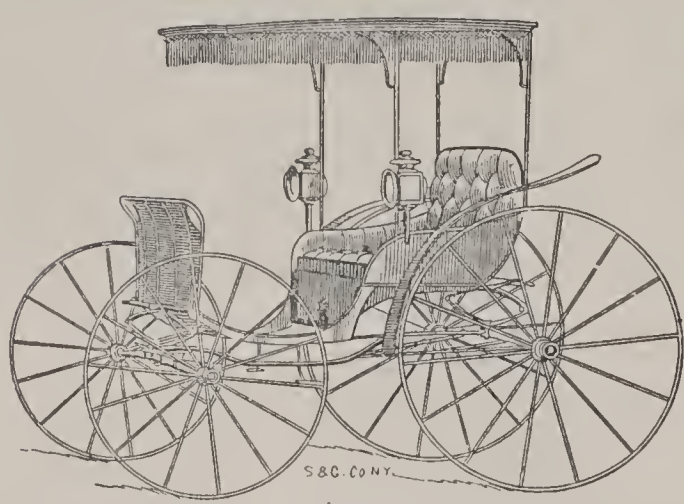
AND

HARNESS

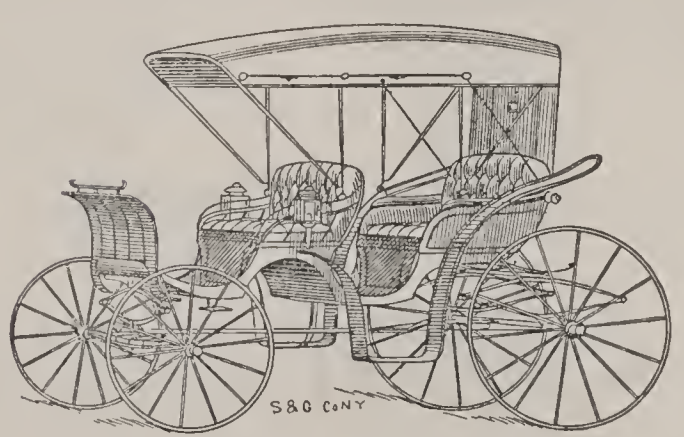
Our Catalogue and Price List will be sent gratis on application.



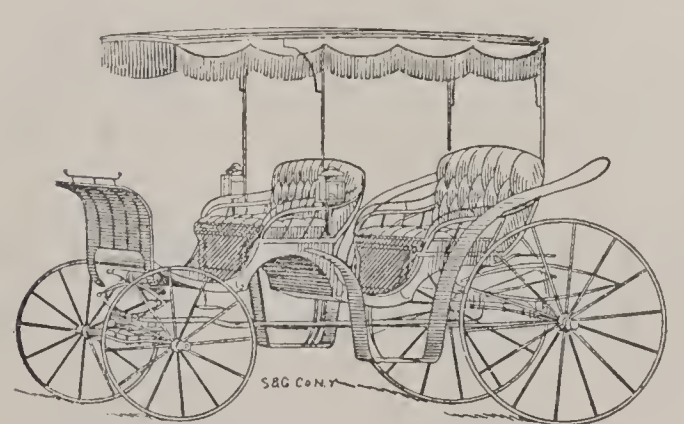
No. 26. Solid Comfort Phaeton
No. 25. Same Body as above, with only Two Springs



No. 24. Canopy Top Phaeton



No. 37. Extension Top Cabriolet



No. 52. Long Branch Phaeton

Manufacturers of Fine and Medium Light Work.

PAINTING. Best quality of Paints, Oils and Varnishes used, and great care and skill exercised in putting on same, thus insuring satisfactory results in wearing. All goods painted, body black and gearing dark green, unless specially ordered some other color.

TOPS. All Hand Buffed Leather (except canopy tops.)

TRIMMINGS. Extra heavy, fine, all wool (wool dyed) cloth, or fancy leather. Spring backs in all of McFarlan Grade, except Nos. 11 and 43.

BODIES. Of the best thoroughly seasoned Ash and Yellow Poplar, put together in the most thorough workmanlike manner.

WHEELS. Made in the best possible manner from very fine stock, either Sarven or Compressed Band.

CABLE

No. 26	*Annul*
" 25	*Anode*
" 24	*Anomy*
" 37	*Anona*
" 52	*Anorn*

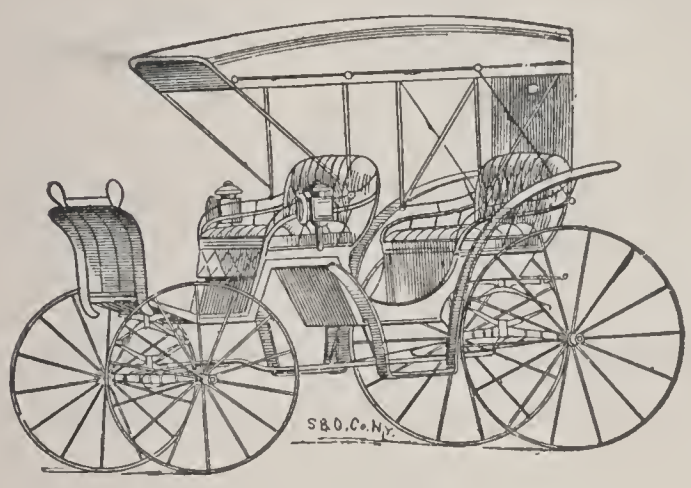
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

No. 29. Loop Front Phaeton

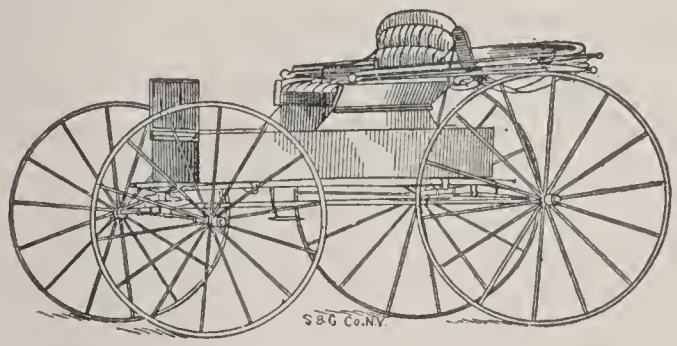
No. 49. Cut Under Surrey

No. 49½. Same Style as above, with Leather Extension Top



No. 44½. Extension Top Phaeton

No. 44. Same Style as above with Canopy Top



No. 43. Brewster Buggy

No. 11. Same Style, with Elliptic Springs

Manufacturers of Fine and Medium Light Work.

IRON WORK. Axles Double Collar, Steel, Fan-tailed. Tire, Oval Edge, Steel, bolted between each spoke. All Clips, Braces, and other irons carefully and closely fitted. Solid Foot Dashes on Surreys, Phaetons and Carriages.

GRADE. The foregoing description applies to the following Nos: 11, 43, 24, 25, 26, 29, 37, 44, 44½, 49, 49½ and 52, and are known as "McFarlan" Grade.

TRACK. All goods (either grade) made either 4′ 8″ or 5′ 2″ track.

SIZE OF CASES FOR VEHICLES, TIGHTLY BOXED FOR EXPORT.

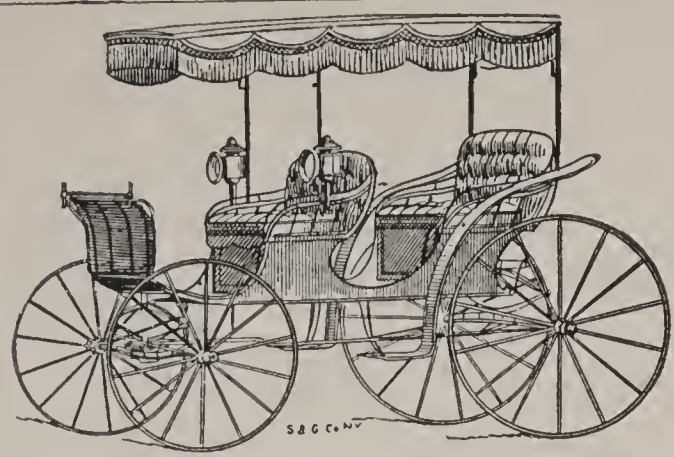
Top Buggies	about 83	cubic feet
Phaetons	" 150	"
Surreys	" 185	"
Cabriolets	" 241	"

CABLE

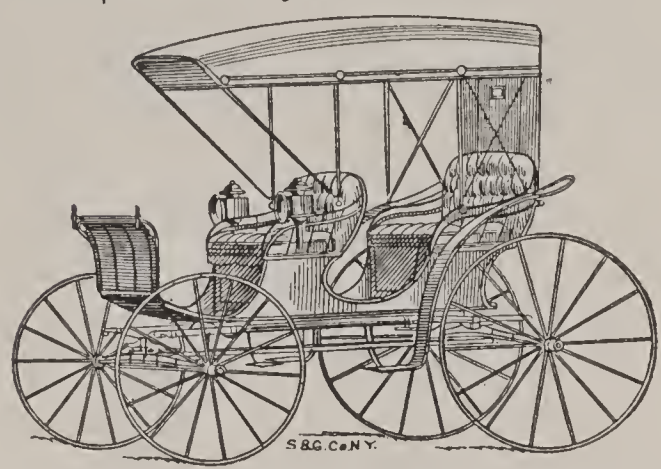
No. 29	*Antic*
" 49	*Anvil*
" 49½	*Aorta*
" 44½	*Apart*
" 41	*Apeak*
" 43	*Apert*
" 11	*Aphid*

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

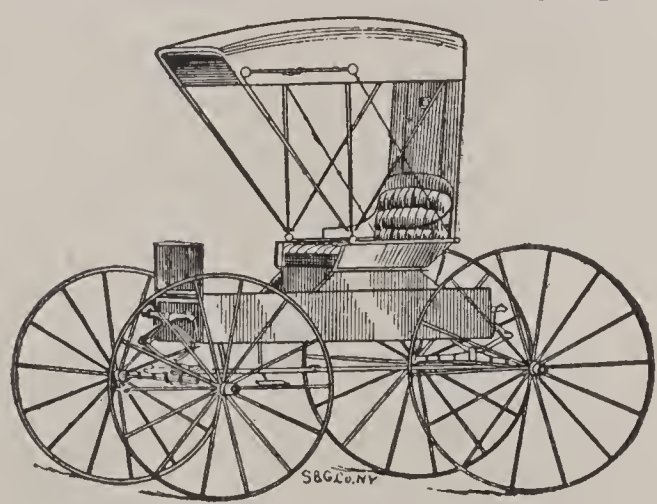


No. 141½. Elliptic Spring Surrey
No. 141. Same Style on Brewster Springs



No. 151. Extension Top Brewster Surrey
No. 151½. Same Style, with Elliptic Springs

No. 23. Jump Seat Surrey, Elliptic Springs
No. 22. Same Style on Brewster Springs



No. 101. Elliptic Spring Buggy
No. 106. Same Style, hung on Brewster Springs

Manufacturers of Fine and Medium Light Work.

Our "**NEW YORK**" Grade comprises the following Nos.: 22, 23, 101, 106, 141, 141½, 151, 151½.

PAINTING. Same quality of material as our "McFarlan" Grade, but not quite so highly finished.

TOPS. All Leather, (except side curtains) best quality Machine Buffed Leather.

TRIMMING. Heavy all wool (wool dyed) or Fancy Leather.

BODIES. Made same as our "McFarlan" Grade.

WHEELS. Extra quality, made expressly for this grade of work with a view to obtaining service.

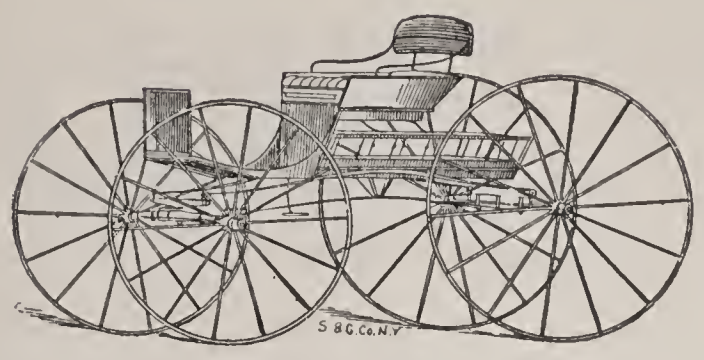
IRON WORK. Double Collar Steel Axles, Oil Tempered bright Springs, Oval Edge Steel Tire bolted between each spoke.

CABLE

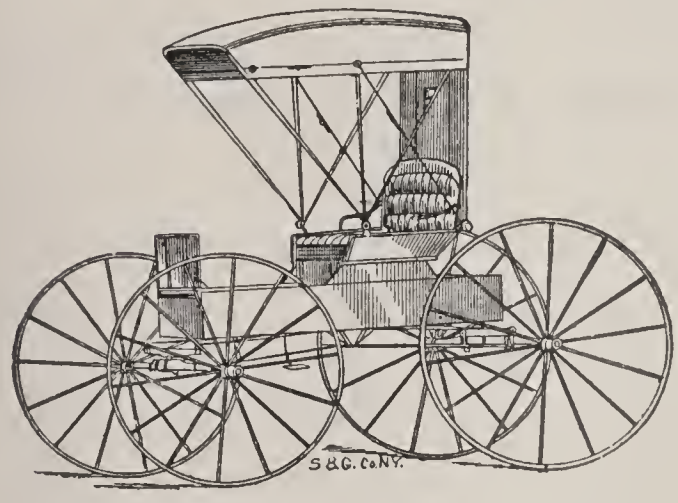
No. 141½	*Apiol*
" 141	*Apish*
" 151	*Apode*
" 151½	*Aport*
" 23	*Appay*
" 22	*Apple*
" 101	*April*
" 106	*Apron*

FOR EXPORT BY

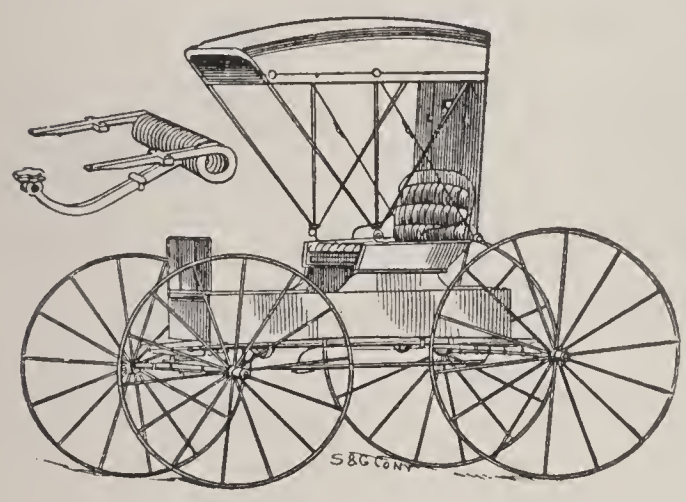
THE SEEGER & GUERNSEY CO., New York.



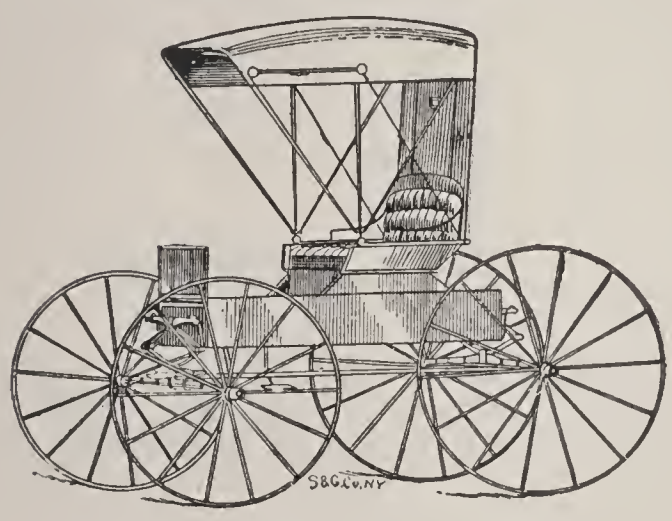
No. 60. Driving Wagon, American Queen Springs



No. 90. American Queen Spring Buggy



No. 86. Thomas Coil Spring Buggy



No. 1. Elliptic Spring Buggy

No. 6. Same Style on Brewster Springs

Manufacturers of Fine and Medium Light Work.

Goods represented on this page are our "PHILADELPHIA GRADE."

WHEELS. Special grade selected for this work for strength and service. Height, 3′ 4″ and 3′ 8″, or 3′ 6″ and 3′ 10″.

IRON WORK. Oil Tempered Springs, Oval Edge Steel Tire bolted between each spoke. Double Collar Steel Axles.

BODIES. Seasoned Ash and Yellow Poplar, well screwed, glued and plugged. Size, 22 x 51, or 25 x 51 inches,

TOPS. Interchangeable. Leather quarters and back stays, or all Leather, 3 or 4 bows.

TRIMMING. All Wool Cloth, fast colors, or Fancy Leather.

PAINTING. Excellent quality Paints, Oils and Varnishes, carefully put on, and sufficient number of coats to insure good results in service. Color: Body, Black; Gearing, Dark Green, (unless ordered otherwise)

TRACK. Wide Track, 5′ 2″. Narrow Track, 4′ 8″.

CABLE

No. 60.... ..... *Aptly*
" 90..... ..... *Araby*
" 86..... ..... *Arace*
" 1..... ..... *Arbor*
" 6 ..... *Arder*

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

Attention is requested to a few reasons why vehicles of good quality can be furnished by us at very low prices.

1st. We have an experience of many years in this particular business.

2d. We have a plant of the largest and most approved type. Our premises are 1,000 feet long by 100 feet wide, with 200,000 square feet of floor space under roof, and a capacity of 100 complete vehicles per day.

3d. We manufacture only certain fixed styles, and make them in large quantities. **We do not manufacture special styles to order.**

We give a brief description below of our "Export" quality. We make two lower grades in most of our styles, but as freight and charges are the same on all, we decidedly recommend that orders should not specify lower quality than the "Export."

DESCRIPTION OF THE "EXPORT" QUALITY.

GEARS.—Best selected, thoroughly-seasoned hickory; hand-cut scrolls; Norway iron forged fifth wheels, with rear kingbolt; double-collar, fantail, steel axles; compressed narrow band hub or Sarven patent wheels of excellent quality screwed rims and bolted between each spoke.

BODIES.—Best kiln-dried ash and poplar, carefully joined and thoroughly screwed and plugged; corners mitered and secured by corner irons.

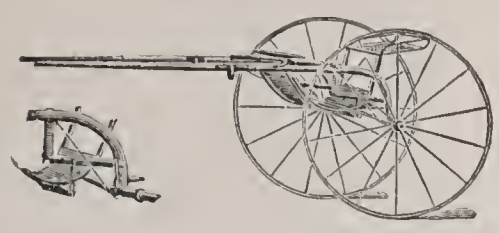
PAINTING. — Unless otherwise ordered, is black body, gears dark ("Brewster") green with glazed carmine stripe. Recognizing that this department plays an important part in the sale and appearance of the vehicle, we take special pains to have the painting thoroughly well done, with materials of the best quality. Gears, as well as the bodies, are thoroughly rubbed with pumice.

TRIMMING.—Is of fine material and elegantly done. The top has leather roof, stays and back curtains, rubber side curtains, lined. Cushions and backs may be fine trimming leather or heavy broadcloth; heavy rubber boot, carpet, toe carpet, and storm apron.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

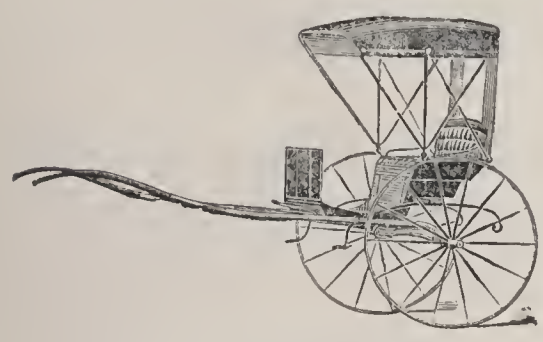
The Cook Carriage Co., Cincinnati, Ohio.



No. 6. Adjustable Coil Spring Cart

Instantly adjustable to weight to be carried. Made as shown (No. 6) or with cushion and paneled back, with dash (No. 9½)

One Cart, No. 6	$26 75	No. 9½	$34 25	cu. ft.	41
Two Carts "	45 25	"	60 50	"	55
Six Carts "	122 00	"	167 50	"	137

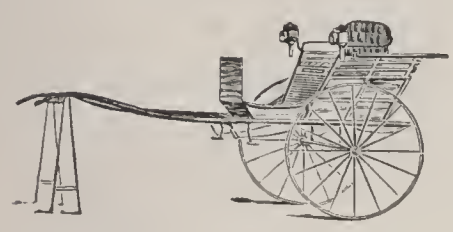


No. 5½. Cart with Top

A very comfortable and easy riding cart, well finished. Rubber top.

One Cart, price	$56 00	cu. ft.	55
Two Carts "	102 50	"	80
Six Carts "	290 00	"	210

Without Top $15 00 each less, cubic measurement about 25 per cent. less.

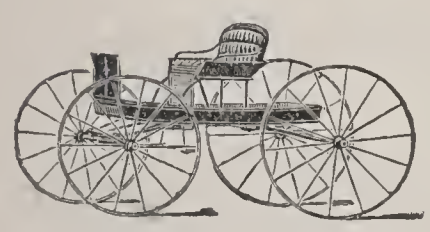


No. 5. Village Cart

The most stylish Ladies' cart in the market for the price. In either pony size or full size,

One Cart, $52 50 cu. ft. 90 either size.

Two Carts 100 00 " 90 "

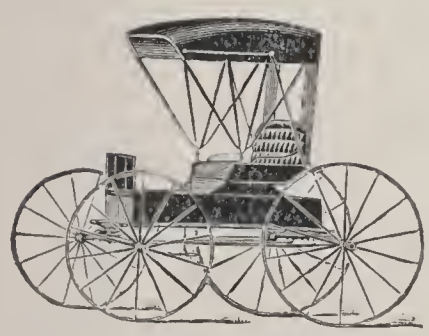


No. 11½. Road Wagon

Finished either in natural wood and light trimmings, painted body and gear, dark trimmings.

Thoroughly substantial; rides like a boat.

$46 00 cu. ft. 55



No. 18. Brewster Buggy

We build either "Piano Box" or "Corning" body buggies on all the popular gears.

No. 18 "Export" quality $85 00 cu. ft. 75

Three distinct grades at lower prices if desired.

Heavy Buggies for rough use a specialty.

No. 102. Phaeton

Phaetons on either two or three spring gears, either extension top (as shown) or canopy top (see No. 125, &c.)

No. 102 $110 00 cu. ft. 110

With plain dash $5 00 less.

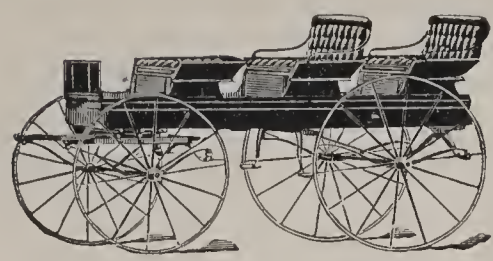
On two springs $5 00 less.

Our Phaetons are built on the lines of the latest and most approved models.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

The Cook Carriage Co., Cincinnati, Ohio.



No. 156. Farmer's Wagon

Body 8′ 4″ x 35″ x 8″—1¼ in. gear, $95 00, cu. ft. 108
" 7′ 4″ x 35″ x 8″—1⅛ " (2 seats) $75 00
cubic feet 96.

Two seated body may be had also on half platform or on three-spring gear, at same prices.

No. 164. Delivery Wagon

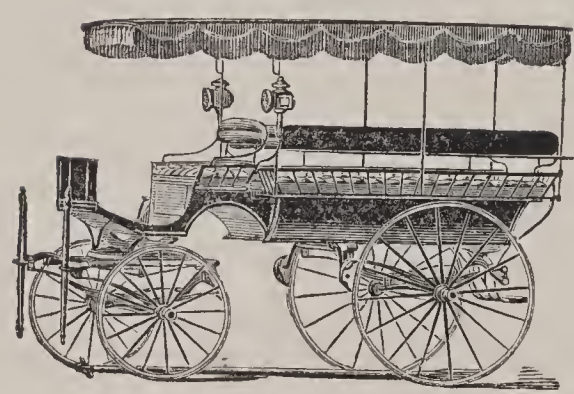
A strong, well built Delivery Wagon, on 1¼ inch gear.

Body 7′ 4″ x 40″ x 10½″, with top, $115 00, cubic feet 141. Without top, $25 00 less.

Lettering to order extra.

No. 172. Mountain Wagon

This Wagon is the result of years of study. Built specially to carry passengers and adapted to rough use. 1⅜″ axles, heavily ironed throughout, $145 00, cubic feet 162.

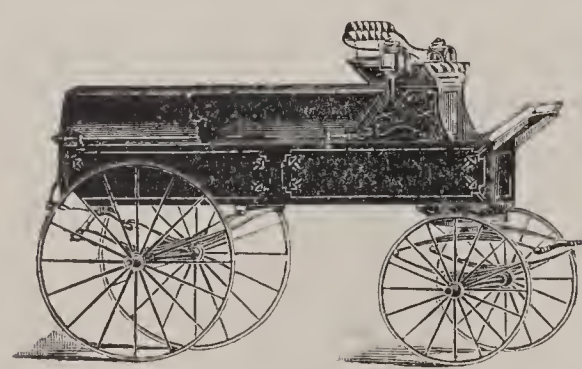


No. 132. Wagonette

Carries ten persons inside and three (including driver) on front seat, $285 00, cubic feet 254.

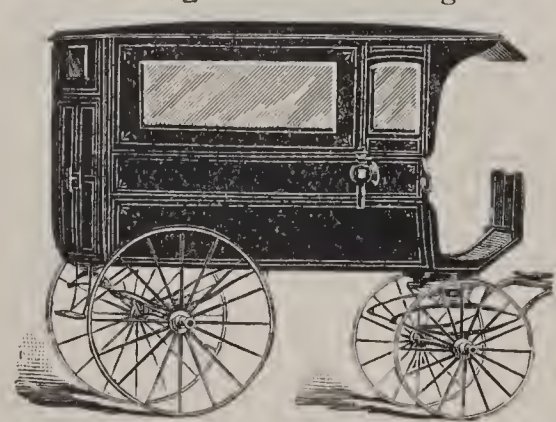
No. 130, on three-spring gear carries four less inside, $190 00, cubic feet 145.

Our Wagonettes have a National reputation for finish, durability and low price, rendered possible only by an extremely large output.



No. 166. Undertaker's Wagon

Our Undertaker's Wagons are finely finished, light and durable. Fine silver plated mountings. No. 166, $195 00, cubic feet 204.



No. 167. Ambulance

No. 167, Ambulance, is furnished with curtains, stretcher or chair rack, silver plated handles, combination lock, $290 00, cubic feet 245.

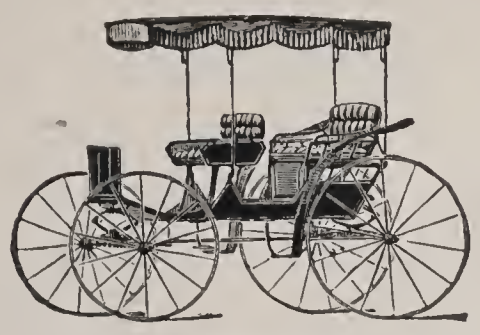
We also furnish five sizes of Furniture Wagons, from 1,800 to 5,000 lbs in carrying capacity, size of body from 9′ x 43″ to 11′ x 52″.

Full particulars and large catalogue upon application.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

The Cook Carriage Co., Cincinnati, Ohio.



No. 119. Jump Seat Surrey

A useful family vehicle. Front seat drops and permits rear seat to come forward, transforming the vehicle into a two passenger conveyance.

$110 00, cubic feet 105.

Also on Brewster springs if desired.

No. 125. Surrey

Surreys in large variety, either canopy top as shown, or extension top (like top in No. 120.)

With cut-under if desired.

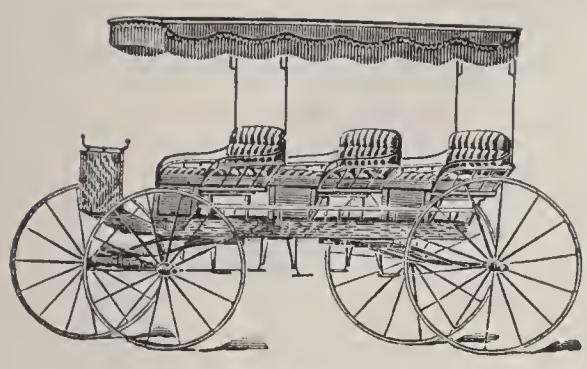
No. 125, $132 50, cubic feet 100.

No. 120. Cabriolet

A handsome family carriage, well finished.

$175 00, cubic feet 156.

Upholstered either in cloth or leather.

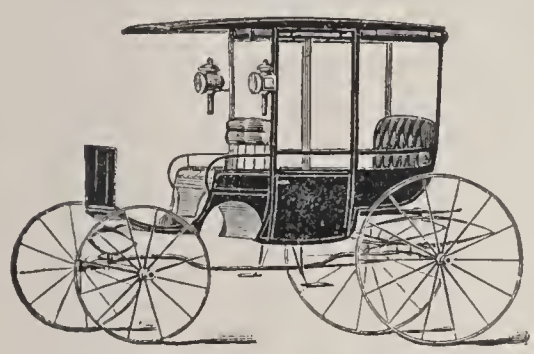


No. 127. Baltimore Surrey

No. 127 is a very easy riding vehicle. Trimmed in light colored corduroy. Finished in natural wood (Ash.)

No. 126 is same with two seats.

No. 127 top,	$137 50,	cubic feet	130.
open,	112 50,	"	108.
No. 126 top,	100 00,	"	93.
open,	80 00,	"	77.



No. 133. Rockaway, with Curtains

We illustrate two styles of Rockaways. Either may have the division front shown in No. 134, (which can be removed instantly if desired.

No. 133, $270 00, cubic feet 325.

No. 134, 340 00, " 325.

Deduct $25 00 if ordered without division front.

No. 134. Coupé Rockaway

NOTE—All prices are NET CASH, delivered in New York, boxed for export. Prices are for "Export" quality. A second grade may be had in Buggies, Phaetons, Surreys and Cabriolets at about 15 per cent. reduction.

Unlimited facilities and long experience render possible GOOD WORK at LOW PRICES.

Orders through commission houses preferred.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE OLDEST MANUFACTURERS OF

Gig, Strap and Express Saddles,

EMPRESS PADS.

Patented Dec. 25th, 1877.

Coach and Team Pads

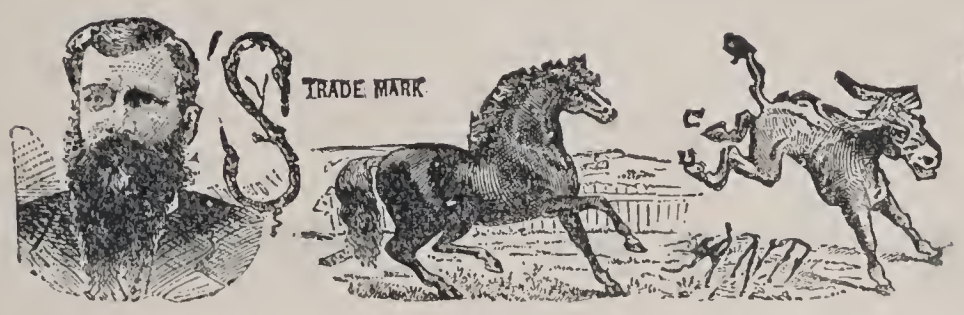
IN THE WORLD.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Covert Manf'g Co., West Troy, N. Y., U.S.A.

This Trade Mark on all Genuine Covert Goods.



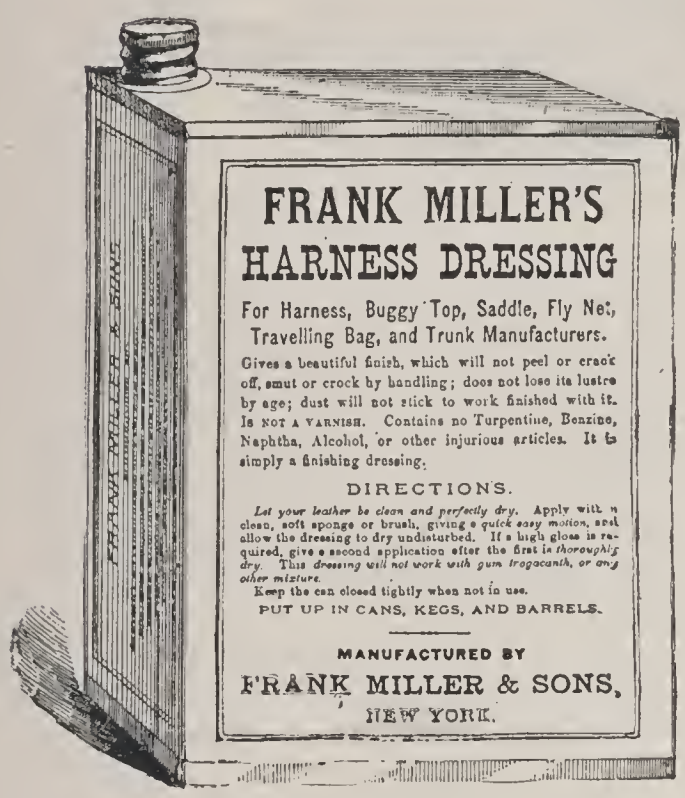
Consisting of Covert's Celebrated Harness Snaps, Swivel Snaps, Open Eye Bit and Chain Snaps, Snap and Thimble for Horse and Cattle Ties, **Rope Goods,** consisting of Adjustable Web and Rope Halters, Rope Horse and Cattle Ties, Web Horse Ties, Web Surcingles, Halter Leads, Driving Reins, Rubber Interfering Boots, Weight Cords, Hammock Ropes, Hitching Cords, Lariat Tethers, and Picket Pins. Also, Post Rods, Chain Goods, consisting of Breast Chains, Halter Chains, Rein Chains, Chain Hame Fasteners, Post Chains, Trace Chains, Heel Chains, Hitching Posts, Balling Irons, Wagon Jacks, Pant Stretchers, etc., etc.

These Goods are sold by all Leading Jobbers in General and Saddlery Hardware, at manufacturers prices.

Covert Manf'g Co., West Troy, N. Y., U. S. A.

Frank Miller & Sons, New York, U. S. A.

Established 1838.



HARNESS OIL,
HARNESS DRESSING,
HARNESS SOAP.
DRESSING FOR
LADIES' SHOES.
SHOE BLACKING,
SHOEMAKERS' INK.

OFFICE AND FACTORY:
349 AND 351 West 26th St.,
NEW YORK, U. S. A.

EUROPEAN OFFICE:
Tower Chambers, Moorgate,
LONDON, ENG.

Sold by Dealers in every part of the World.

FO EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

Hobbs Glass Company, Wheeling, W. Va.

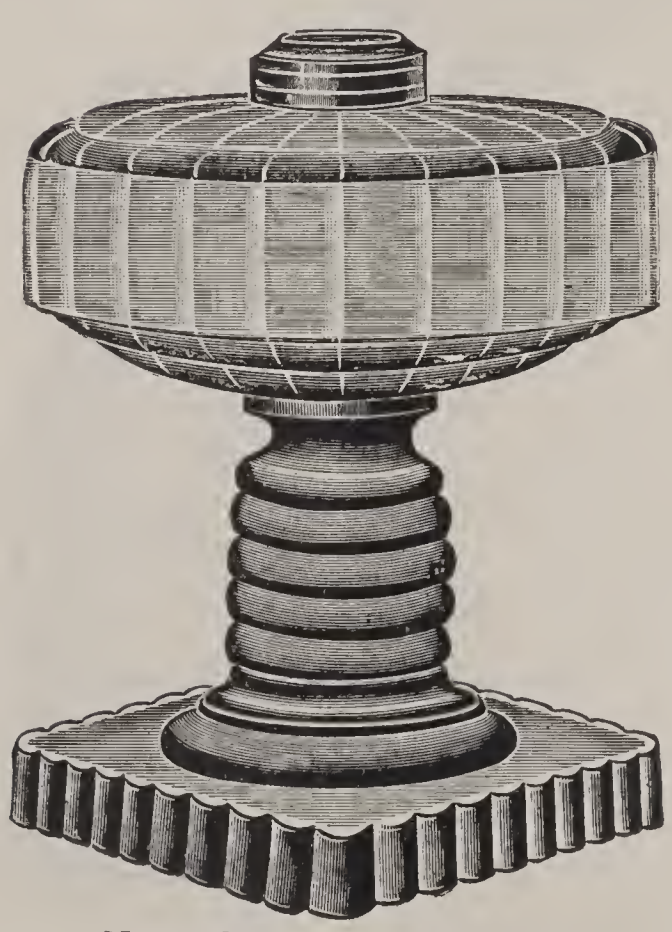
J. H. HOBBS, *President.* H. E. WADDELL, *Secretary.*

No. 338, B. Stand Lamp.

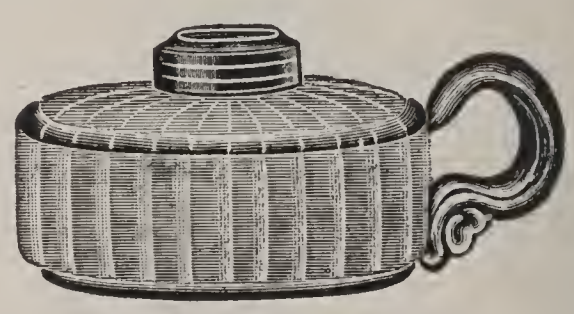
MANUFACTURERS OF

Fine Pressed and Blown Glassware and Lamps. Fancy colors a specialty. Full line of No. 338 Lamps. Six sizes of stand, and two sizes of handled made in plain crystal. White coral, blue coral, ruby coral and gold etches.

LAMPS.



No. 338, E. Sewing Lamp.



No. 338, O. Hand Lamp.

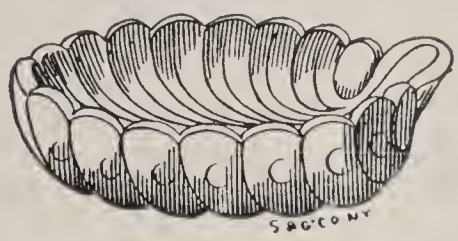
Crystal and Colored Shades, and Globes for Gas or Kerosene in great variety.

FOR EXPORT BY

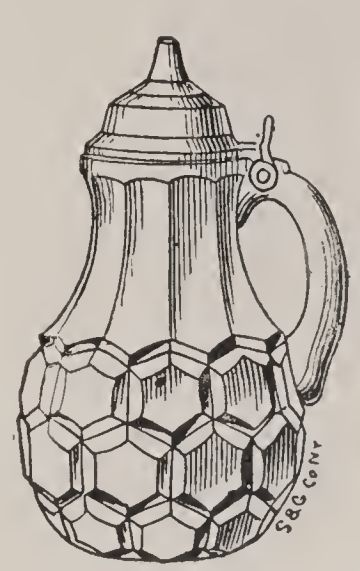
THE SEEGER & GUERNSEY CO., New York.

Hobbs Glass Company, Wheeling, W. Va.

J. H. HOBBS, *President.* H. E. WADDELL, *Secretary.*



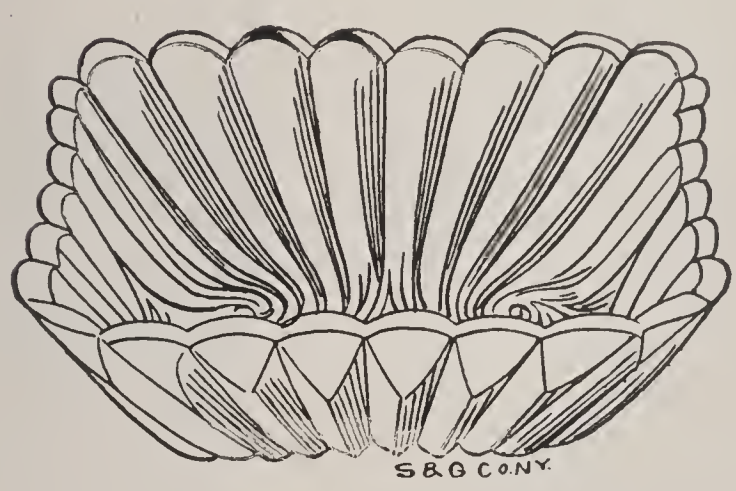
No. 334. Oval Berry Bowl. 9 inches.



No. 335. Molasses Can. Pat. Glass Lip.

MANUFACTURERS OF

Pressed and Blown Table-ware. Fancy colors in Blown ware and Novelties a specialty. Elegant Glass Chandeliers for Gas, Kerosene or Electricity, from two lights up to thirty-two lights. Trimmed with Cut Prisms. All thoroughly tested before shipping.



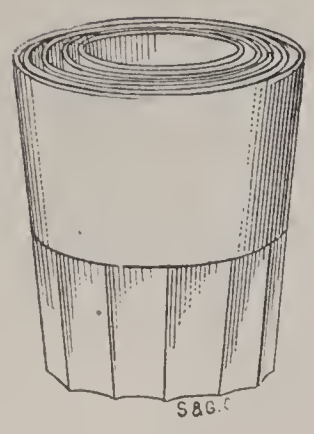
No. 337. Square Berry Bowl. 8 in.

No. 337. Square Nappy. 4½ inch.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

A. J. Beatty & Sons, Tiffin, Ohio.



MANUFACTURERS OF

TUMBLERS,

Beer Mugs

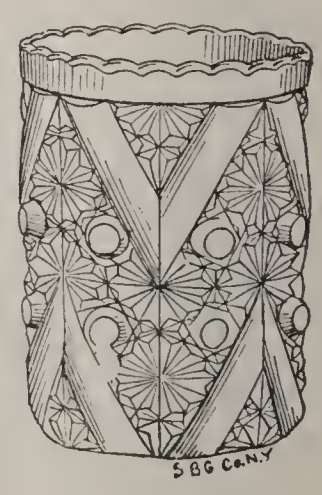
AND

FINE TABLEWARE.

THE LARGEST LINE

—OF—

Blown Tumblers,



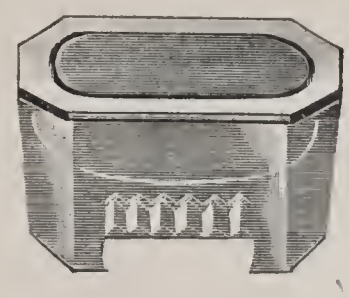
Plain Cut, Handled, Etched and Engraved,

IN THE MARKET.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

THE CENTRAL GLASS CO., WHEELING, WEST VIRGINIA, U. S. A.



MANUFACTURERS OF

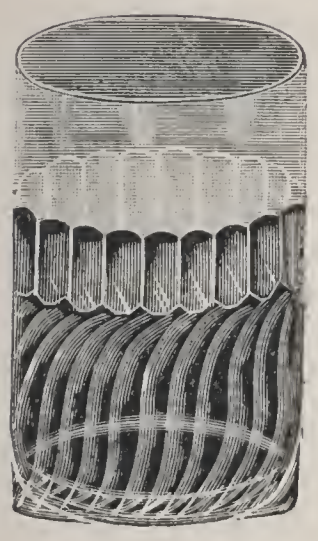
FLINT GLASSWARE.

Tumblers, Ales, Beer Mugs, Weiss Beers, Goblets, Champagnes, Clarets, Wines, Brandies, Cordials, Sherries, Table Ware.

——ALSO——

A LARGE VARIETY OF GLASS LAMPS.

Largest manufacturers in our line in the United States.

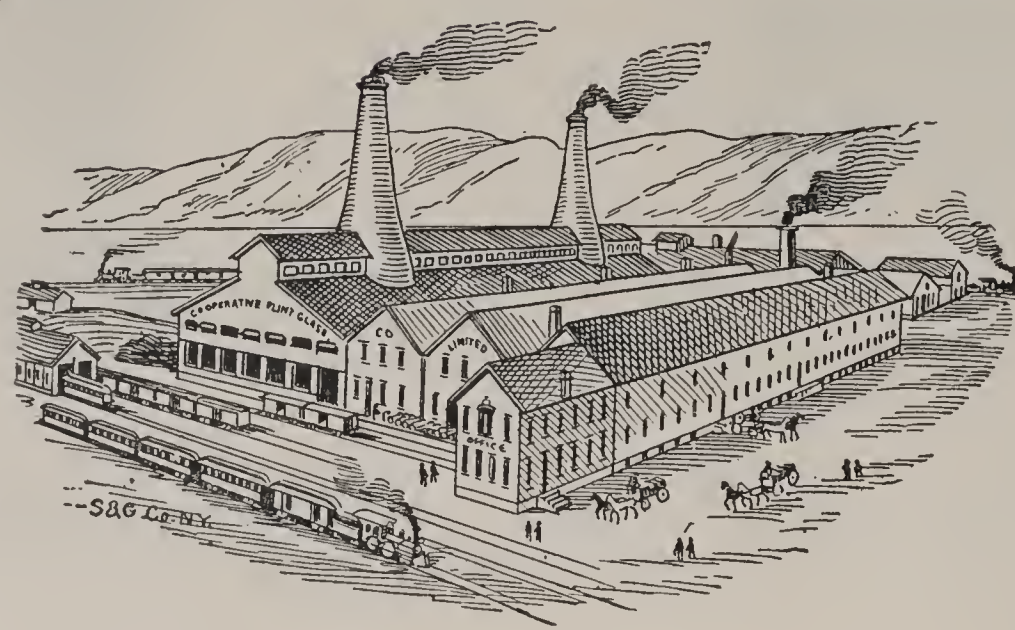


FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Co-operative Flint Glass Co., Ltd., BEAVER FALLS, PA.

WM. SCHEFFLER, *Chairman.* J. C. WIEGEL, *Secretary and Treasurer.*



Office and Factory, cor. 15th Street and First Avenue.

MANUFACTURERS OF

BLOWN AND PRESSED GLASSWARE,

TABLE AND BAR GOODS, PLAIN AND ENGRAVED.

DRUGGIST FURNITURE, SPECIE, FRENCH, RING AND URN JARS, CAKE COVERS, etc.

Special attention given to Private Molds.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

King Glass Co., Pittsburgh, Pa., U. S. A.

Manufacturers of

Fine Crystal Glassware.

Table, Bar, Ale and Soda Tumblers, Beer Mugs, Footed Ale and Beer Glasses, Goblets and Stem Ware, Caster Bottles, Salvers,

TABLE WARE,

Toys, Patent Glass Covered Jars and Jellies,
Ring Jars, French Jars, Lamps,
Engraved Ware.

OFFICE AND FACTORY:

PITTSBURGH, PA., U. S. A.

NEW YORK OFFICE:

58 BARCLAY STREET.

CATALOGUES FURNISHED ON APPLICATION.

Orders executed through leading Commission Houses in New York City.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

HUNTINGTON GLASS CO., HUNTINGTON, W. VA.

Manufacturers of

Glassware and Lamp Goods

OF EVERY DESCRIPTION,

Both Pressed and Blown.

No. 45. Tankard Cream

Cable: *Ample*

A full line made in above pattern which resembles rich cut glass more than any pressed pattern yet produced.

We also make a handsome plain pattern with rich engravings.

Opal Shades both plain and with artistic decorations.

Send for Catalogue and Prices.

FOR EXPORT BY

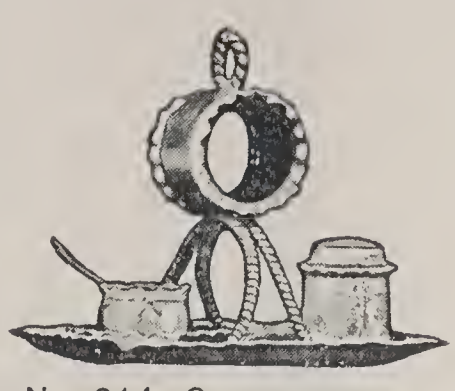
THE SEEGER & GUERNSEY CO., NEW YORK.

PAIRPOINT MANUFACTURING CO.,

NEW BEDFORD, MASS.

Artistic Gold and Silver Plated Ware.

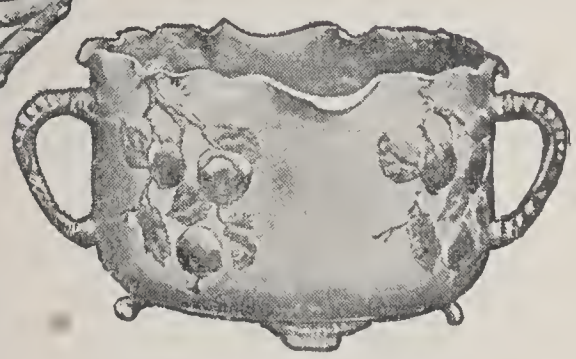
No. 68—Napkin Ring.



No. 214—Combination.

No. 550—Butter.

No. 1835—Ice Pitcher.



No. 2615—Nut Bowl.

No. 2628—Cup and Saucer.

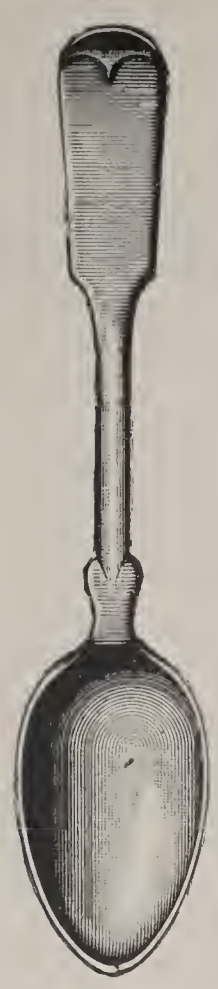
No 2189—Berry Dish.

No. 1993—Ink.

Catalogues and Photographs on Application.

NEW YORK. CHICAGO. SAN FRANCISCO.

THE ROGERS & HAMILTON CO., WATERBURY, CONN.



Tipped Spoon

Windsor Spoon

Newport Spoon

Cardinal Spoon

Monarch Fork

We call your attention to the manner in which the "Rogers & Hamilton" Flat Ware is plated, thereby trebling the wearing qualities. The first part of a spoon or fork to show wear is at the back of bowls and handles. In addition to regular plate, we deposit a heavier coating of silver, more than triple the old straight plate at these points. Making the best wearing goods to be found in any market.

Monarch Spoon

CABLE	LIST PRICES PER DOZEN	Extra Plate	XII Plate	Triple Plate
	Tea Spoons			
Ampyx	Tipped, Windsor	$4 25	$5 00	$6 75
Amuck	Newport, Cardinal	4 75	5 50	7 25
Amuse	Monarch	. . .	5 50	7 25
	Dessert Spoons			
Ancon	Tipped, Windsor	7 50	8 63	11 50
Anear	Newport, Cardinal	8 50	9 63	12 50
Anele	Monarch	. . .	9 63	12 50
	Table Spoons			
Anent	Tipped, Windsor	8 50	10 00	13 50
Angel	Newport, Cardinal	9 50	11 00	14 50
Anger	Monarch	. . .	11 00	14 50
	Dessert Forks			
Angle	Tipped, Windsor	7 50	8 63	11 50
Angry	Newport, Cardinal	8 50	9 63	12 50
Anigh	Monarch	. . .	9 63	12 50
	Medium Forks			
Anile	Tipped, Windsor	8 50	10 00	13 50
Anion	Newport, Cardinal	9 50	11 00	14 50
Anise	Monarch	. . .	11 00	14 50

Owing to limited space, but few designs of a reduced size can be shown. Our line consists of spoons and forks for various purposes; also fancy pieces, such as ladles, pie knives, fish sets, salad sets, plated steel knives, hollow-handle knives, carvers, &c.

All fancy pieces are put up in handsomely lined boxes.

Price lists and discounts furnished on application.

EXPORTED BY

THE SEEGER & GUERNSEY CO., NEW YORK.

BRIDGEPORT BRASS CO., 19 MURRAY ST., NEW YORK.

Mills at Bridgeport, Conn.

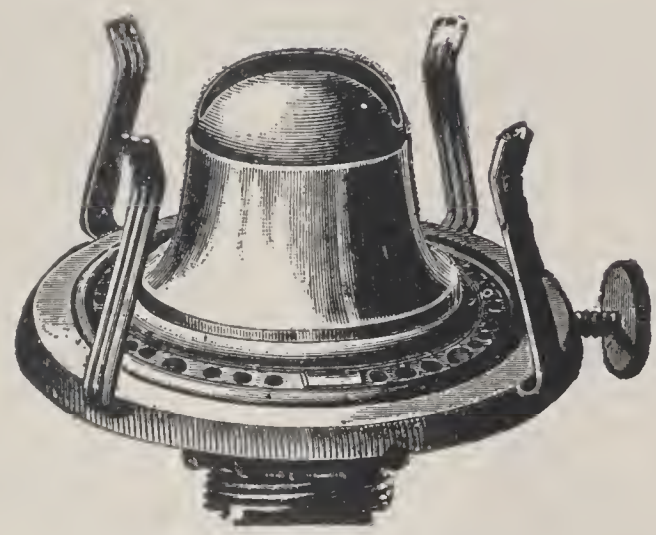
The Celebrated New York Slip Burners

Fit Nos. 2 and 3 Collar; take No. 3 Wick, and No. 2 Sun Chimney

Cable: *Anker* — Brass.....$1 50 per doz.

Cable: *Ankle* — Bronzed...$1 75 per doz.

Weight, per case, 25 doz., 114 lbs.



Improved National Burner

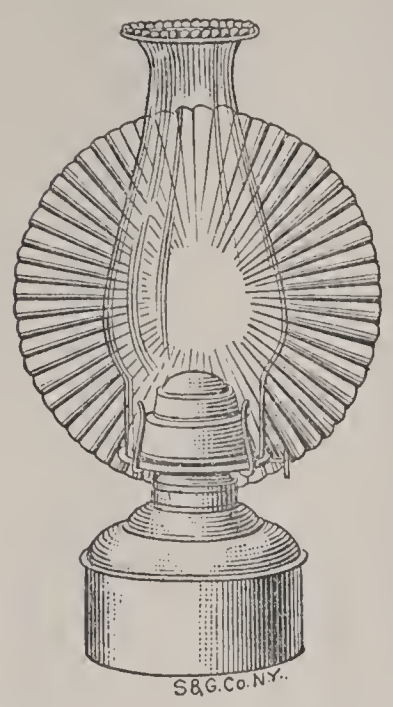
	Cable				Per doz.
No. 0	*Annal*	50 doz. in case,	73½ lbs.	.....	$0 50
" 1	*Annex*	" "	92 "	.....	0 55
" 2	*Annoy*	25 doz. "	74½ "	.....	0 80

All styles of Lamp Burners, Brass Hand Lamps, and Lamp Trimmings, Sheet Brass and Sheet Copper, Copper Wire for Electrical uses, bare and covered (insulated), Soft or Hard Drawn. Brass Wire, German Silver Wire, Copper Rivets and Burs, Brass and Iron Jack Chains, etc., etc.

EXPORTED BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Ohio Lantern Co., Tiffin, O.

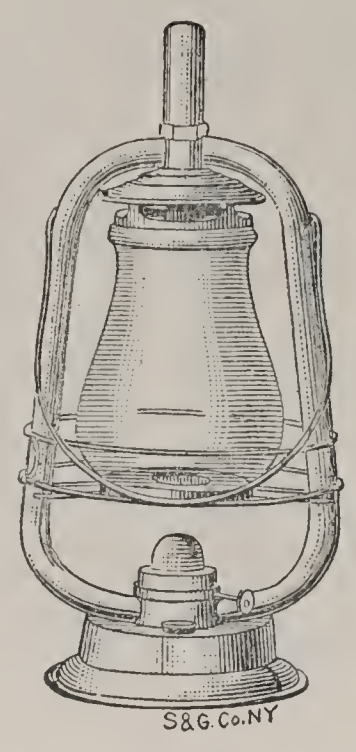


Crescent Side Lamp,

Gold Lacquered.

Packed ½ gro. tin parts in a barrel, ½ gro. glass founts in a barrel. Size of barrel, 30 in. high, 20 in. end diameter, 23 in. middle diameter. Weight per gross packed, 250 lbs. Price per gross, $16.50.

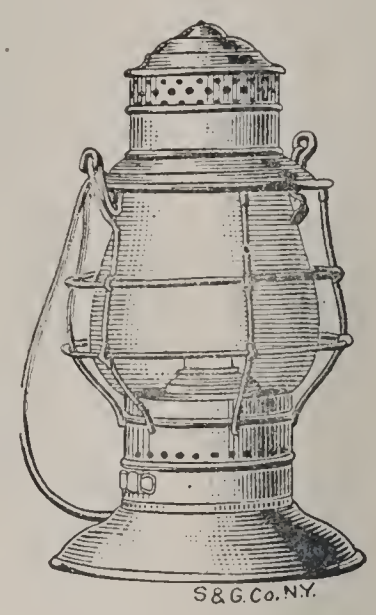
Burners and chimneys not furnished.



Surprise Tubular,

With Automatic Lift.

Packed 1 dozen in a case. Size of case, 12¾x20x27¼ in. Weight, packed, 40 lbs. Price per dozen, $3.75.



No. 2
Ohio Railroad Lantern.

Packed 1 dozen in a case. Size of case, 12¾x20x27¼ in. Weight, packed, 40 lbs. Price per dozen, $4.75.

With one belt guard, 25 cts per dozen less than above.

Takes standard size globe.

Tingue, House & Co., Glenville, Conn.

MANUFACTURERS OF

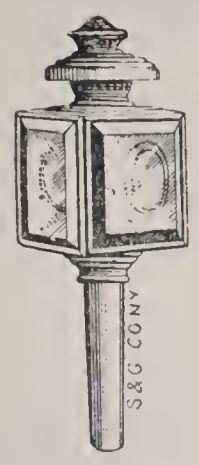
Felts and Feltings

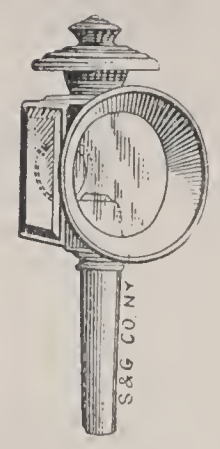
IN SHEETS OR BY THE YARD,

For Manufacturers and Machinery Purposes.

SALESROOM AND OFFICE:

56 Reade Street, New York.





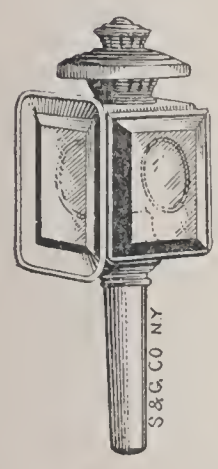
WITH OUR PATENTS

AND

SYSTEM OF MANUFACTURE

WE BEAT THE WORLD

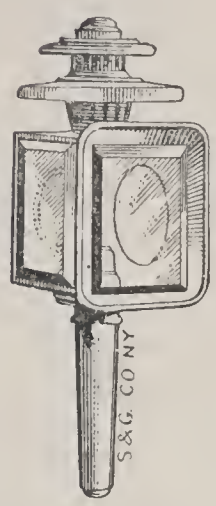
ON CARRIAGE LAMPS.



PELHAM.

Candle Burner. Silver or Oroide.

No.			Pair.
0.	Bevel Glass,	2⅞x3⅜,	$1.80
1.	" "	3⅛x3½,	2.10
2.	" "	3¼x3⅞,	2.40
Oil Burners, 1 or 2 only, extra,			25
Flat Glass,		less,	40



PIONEER.

Candle Burner. Silver or Oroide.

No.			Pair.
0.	Bevel Glass,	2⅞x3⅜,	$2.00
1.	" "	3⅛x3½,	2.30
2.	" "	3¼x3⅞,	2.60
Oil Burners, 1 or 2 only, extra,			25
Glass Outside Flange, extra,			55

PLYMOUTH.

Candle Burner. Silver or Oroide.

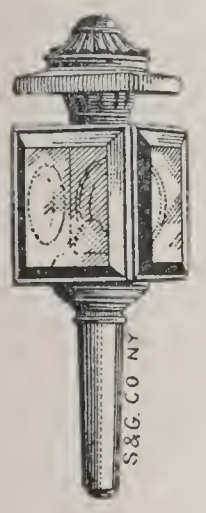
No.			Pair.
1.	Bevel Glass,	3⅛x3½,	$2.45
2.	" "	3¼x3⅞,	2.75
Oil Burners, extra,			25
Gold or Silver Stems, extra,			50
Fancy Cut Side Glass,		"	20

DEVONSHIRE.

Candle Burner. Silver or Gold.

No.			Pair.
1.	Bevel Glass,	3⅛x3½,	$3.20
2.	" "	3¼x3⅞,	3.60
3.	" "	3⅝x4¼,	4.00
4.	" "	3⅞x4⅜,	4.40

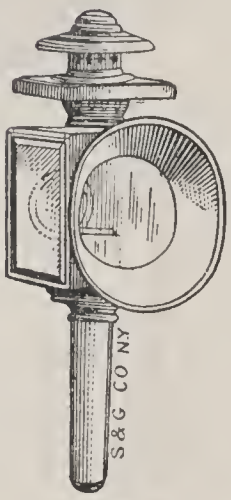
Oil Burners, 1 or 2, 25cts 3 or 4, 35cts



PIEDMONT.

Candle Burner. Silver or Gold.

No.			Pair.
1.	Bevel Glass,	3⅛x3½,	$3 10
2.	" "	3¼x3⅞,	3 40
3,	" "	3⅝x4¼,	3.75
4,	" "	3⅞x4⅜,	4.05
Gold or Silver Stems, extra,			50

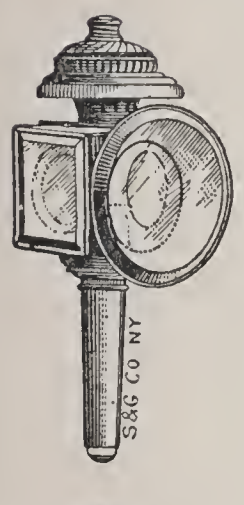


AURORA.

Candle Burner. Silver or Gold.

No.			Pair.
1.	Bevel Glass,	3⅛x3½,	$3.05
2.	" "	3¼x3⅞,	3.35
3.	" "	3⅝x4¼,	3.70
Gold or Silver Stems, extra,			50

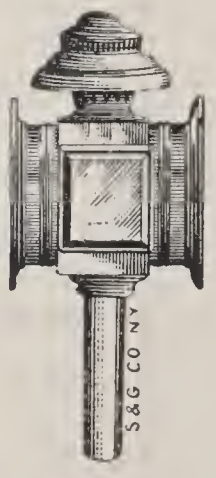
Oil Burners, 1 or 2, 25c. 3, 35c. extra



OBLONG MAIL.

Candle Burner. Silver or Gold.

No.			Pair.
3.	Fancy Glass,	3⅝x4¼,	$5.30
4.	" "	3⅞x4⅜,	6.05
7.	" "	4½x5⅜,	8.55
Oil Burners, 3 or 4, 35cts.			7, 50cts
Silver Stems, 3 or 4, 50cts.			7, 80cts



DOUBLE ENDER.

Candle Burner. Silver or Gold.

Round Body, Screw Stem.

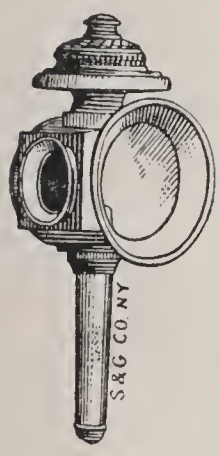
No.			Pair.
4.	Fancy Glass,	2⅞x3,	$5.45
Oil Burners, extra,			50
Glass Outside Flanges, extra,			1.40
Gold or Silver Stems, extra,			50

TIFFANY.

Candle Burner. Silver or Gold.

Round Body, Screw Stem.

No.			Pair.
2.	Flange 5,		$4.40
4.	" 5¾,		5.40
Oil Burners, extra,			50
Gold or Silver Stems, extra,			50

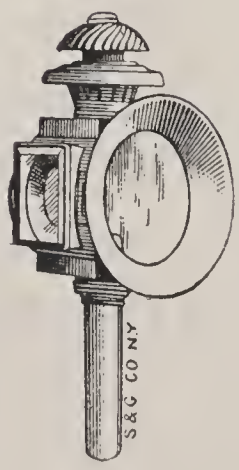


LANCASTER.

Candle Burner. Silver or Gold.

Round Body, Screw Stem.

No.			Pair.
4.	Bevel Glass,	2⅞x3,	$4.50
Fancy Cut Side Glass, extra,			20
Red Light in Back, extra,			35
Glass Outside Flange extra,			70



State whether Hook or Patent Finger Props are desired. Discount, 20 per cent. for Spot Cash.

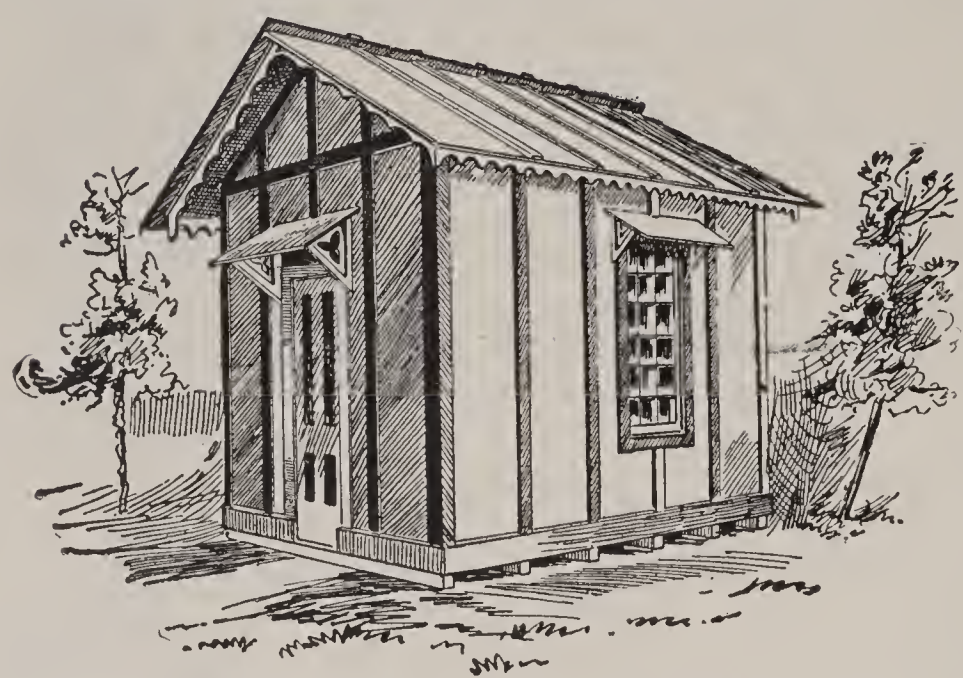
GOODS F. O. B. NEW YORK CITY.

KNOCK-DOWN HOUSES.

ONE OR MORE STORIES,

OF ANY DESIGN AND SIZE.

These Houses are Substantial Frame Buildings,



With all framing and wood-work, interior and exterior, as well as sashes, doors and blinds, etc., fully prepared in the

KNOCK-DOWN SHAPE,

to be erected for

Permanent Structures.

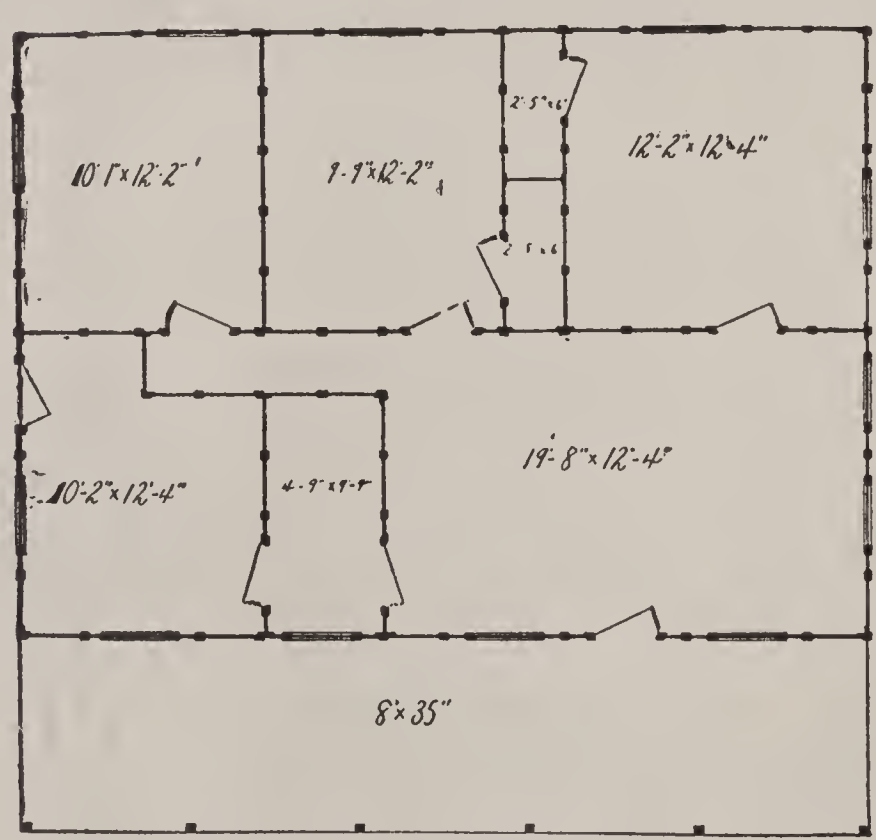


FIG. 1. GROUND PLAN.

Our houses are constructed from the best long-leaf

Georgia Pine,

well known for its strength and durability.

Georgia Pine Railway Sleepers, Bridge, Car and Building Timbers, sawed to order. Mills and manufactories in Georgia.

Correspondence invited by

THE SEEGER & GUERNSEY CO., Exporters,

NEW YORK.

PORTABLE HOUSES.

BUILT IN SECTIONS,

AND

PUT UP WITHOUT NAILS OR SCREWS.

SINGLE STORY,

WITH

ANY NUMBER

OF

ROOMS

OR

SUBDIVISIONS

NEARLY ALL PARTS

BEING

INTERCHANGEABLE

SO AS TO PERMIT

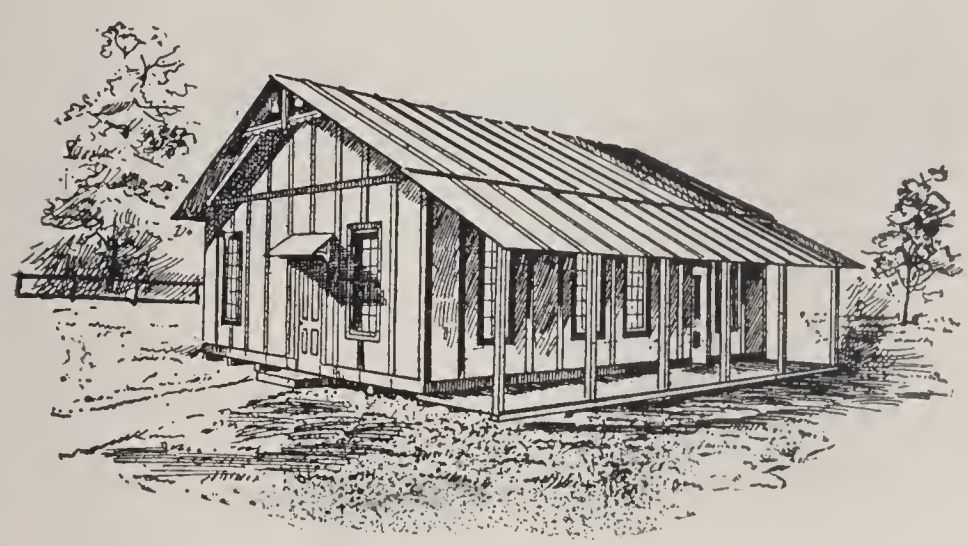


Fig. 1. Perspective.

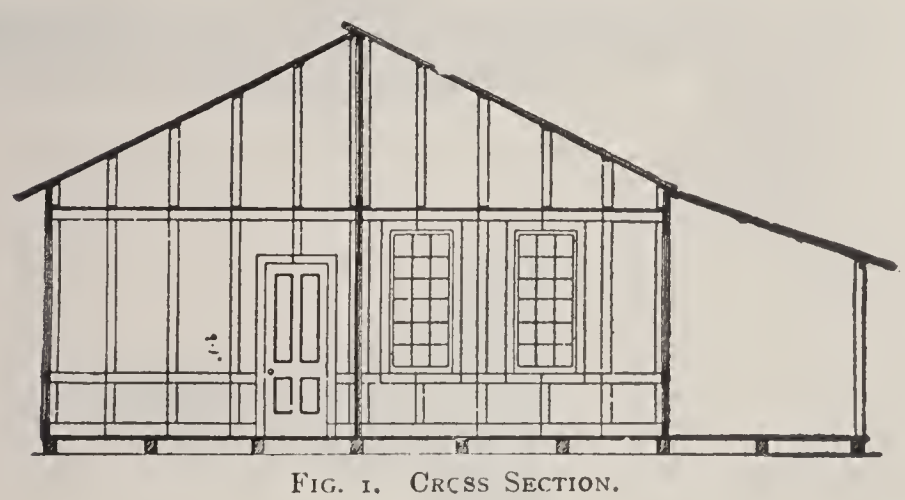


Fig. 1. Cross Section.

WINDOWS AND DOORS

TO BE LOCATED ALMOST ENTIRELY

AT WILL OF OCCUPANT.

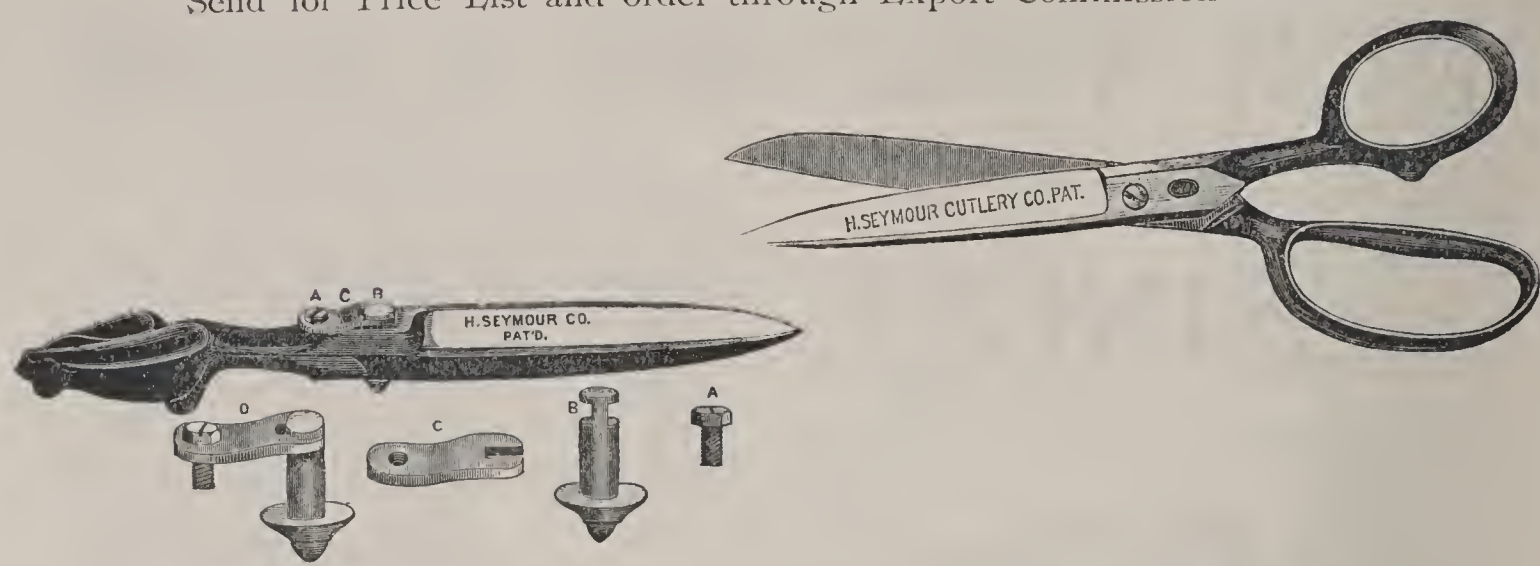
HENRY SEYMOUR CUTLERY CO., 84 & 86 CHAMBERS ST., N. Y. CITY, U. S. A.

SEYMOUR'S
Shears and Scissors.

275 Kinds and Sizes.

QUALITY UNEXCELLED.

Send for Price List and order through Export Commission Houses.



A GREAT INVENTION for Tailors and Barbers. Adjustable Lever Spring and Bolt. No more loose bolts. Easily taken apart. Adjustable to run tight or loose at will of operator. Work easy.

THE STANLEY WORKS, NEW BRITAIN, CONN.

New York Office, 79 Chambers Street.

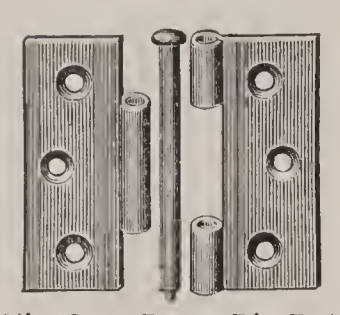


Fig. 804. Loose Pin Butt

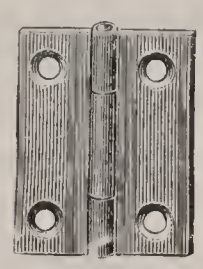


Fig. 838. Light Narrow Butt

Manufacturers of Wrought Steel Butts of every description. Narrow, Light Narrow, Narrow Loose Joint, Broad, Parliament, Loose Pin and Loose Joint, Plain, Japanned, Bronzed, or any other finish, Ball or Steeple Tips.

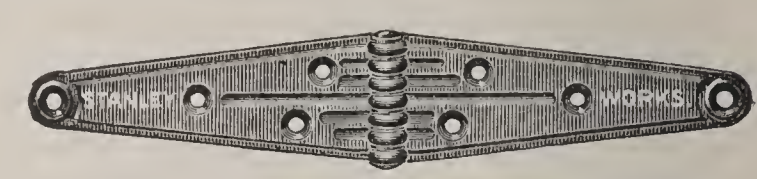


Fig. 935. Corrugated Heavy Strap Hinge

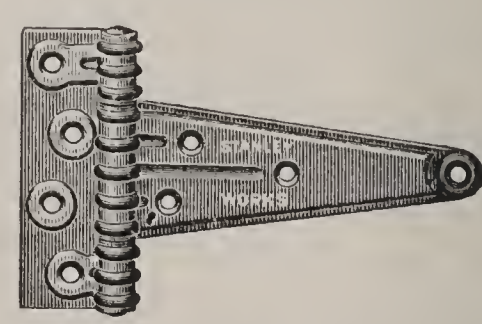


Fig. 937. Corrugated Extra Heavy T Hinge

Manufacturers of Wrought Steel Strap and T Hinges, Plain and Corrugated, Wrought Door Bolts, Tacks of all kinds, Brads, Nails, etc. Illustrated Catalogue free on application. Correspondence solicited.

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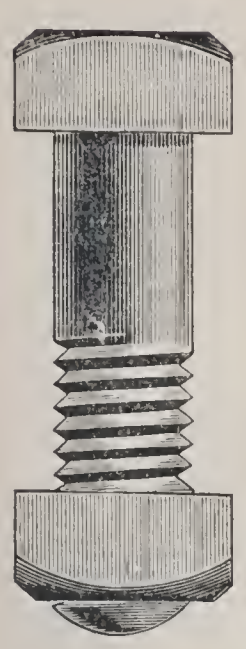
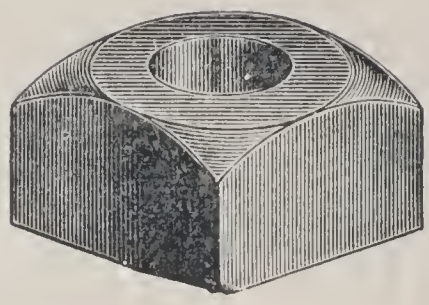
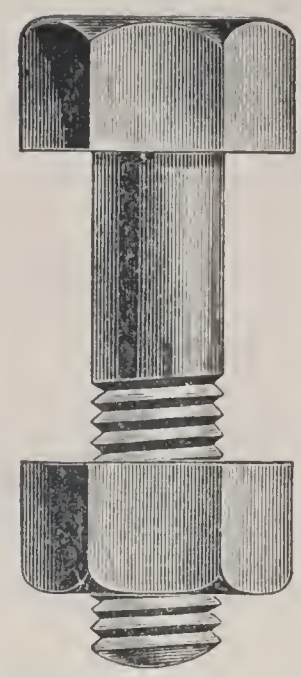
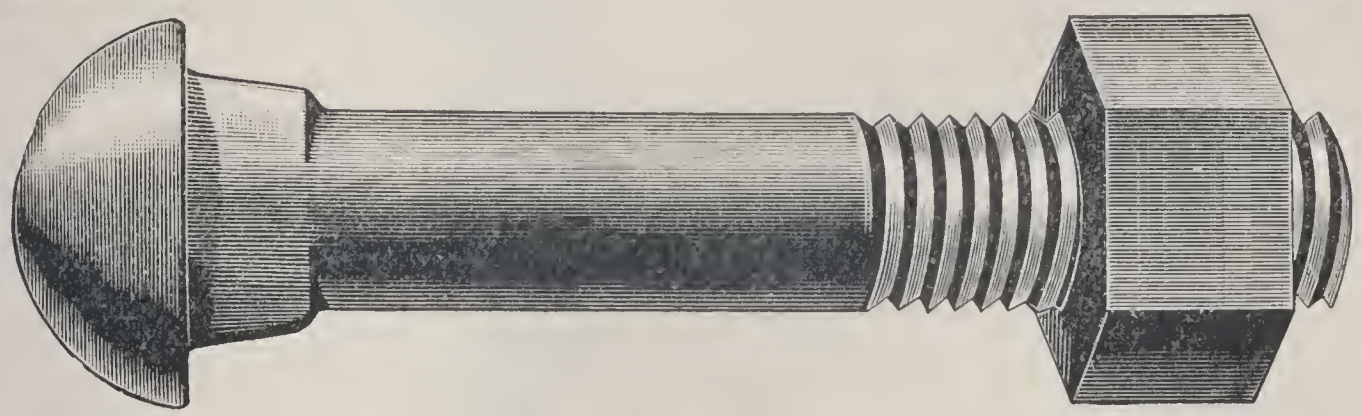
THE SEEGER & GUERNSEY CO., NEW YORK.

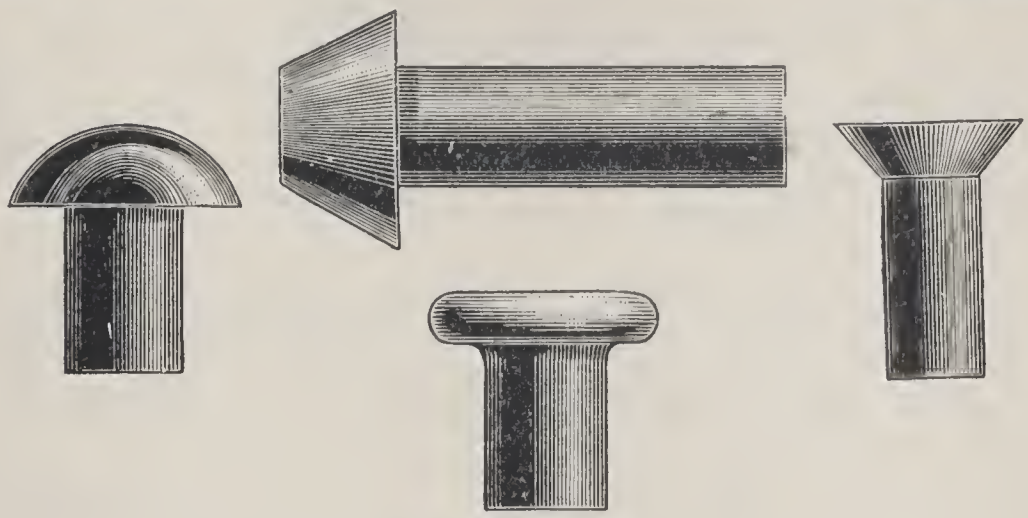
National Bolt, Nut & Rivet Works, Reading, Pa.











HIGH GRADE

Machine and Car Bolts, Track Bolts, Patch Bolts, and Bolts of all Descriptions.

Hot Pressed and Cold Punched Nuts.

Lag Screws, Set Screws, Cap Screws, Washers.

We Sell Direct to Consumers. Write for Catalogue and Prices.

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Established 1852

MANUFACTURERS OF

Steel Nails and Spikes.

Annual Capacity 450,000 Kegs.

Quality, Finish and Weights Guaranteed.

OUR SPECIALTIES.

Cut Spikes.

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Fine Blued Nails.

Fine Polished Nails.

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Nails of any size, shape or weight made to order.

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THE SEEGER & GUERNSEY CO., New York.

ARTHUR B. CLARKE, *President.*

Old Dominion Horse Shoes.

The attention of the trade is invited to these superb Horse and Mule Shoes which are made from best material prepared especially for them.

They are well formed, properly creased and punched, and each shoe has a polish which renders it attractive to the eye.

They are made only by the

OLD DOMINION IRON & NAIL WORKS CO.

RICHMOND, VA., U. S. A.

OLD DOMINION CUT NAILS,

Iron and Steel, all sizes.

OLD DOMINION BAR IRON,

Round, Square, Flat, Oval, &c.

OLD DOMINION STEEL TIRES,

Round Edges for Wagons and Carriages.

Correspondence Invited. *Quotations Promptly Made.*

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THE SEEGER & GUERNSEY CO., NEW YORK.

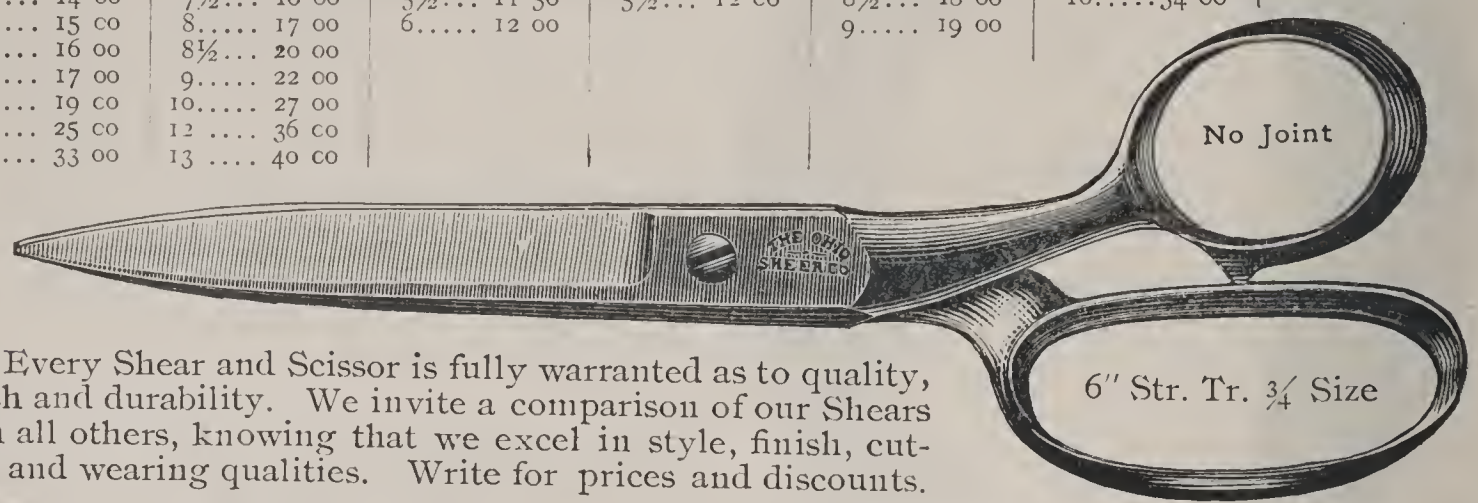
The Ohio Co-operative Shear Co., Elyria, Ohio, U. S. A.

Manufacturers of

Superior Quality Shears and Scissors.

Made from the best material, using only the finest Tool Steel. Each blade is hardened in water and tempered on a plate. Skilled workmen are employed in every department, and superiority of workmanship is guaranteed.

Str. Trim		But. Trim		Ld. Scis.		Pocket		Barbers		Bankers		But. Hole Sis.	
in.	Price	in.	Price	in.	Price	in.	Price	in.	Price	in.	Price	in.	Price
6	$12 00	6	$14 00	4½	$10 50	4½	$11 00	7½	$16 00	12	$33 00	4½	$15 00
6½	13 00	7	15 00	5	11 00	5	11 50	8	17 00	14	42 00	5½	18 00
7	14 00	7½	16 00	5½	11 50	5½	12 00	8½	18 00	16	54 00		
7½	15 00	8	17 00	6	12 00			9	19 00				
8	16 00	8½	20 00										
8½	17 00	9	22 00										
9	19 00	10	27 00										
10	25 00	12	36 00										
12	33 00	13	40 00										



Every Shear and Scissor is fully warranted as to quality, finish and durability. We invite a comparison of our Shears with all others, knowing that we excel in style, finish, cutting and wearing qualities. Write for prices and discounts.

A. Fulton's Son & Co., Nos. 91 First and 70 Second Aves., Pittsburgh, Pa.

BELL AND BRASS FOUNDERS,

Iron Pipe Fitters and Machinists,

Manufacturers of Copper Floats, all sizes.

Copper and Sheet Iron Work made to order.

Dealers in Steam Users' Supplies.

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THE SEEGER & GUERNSEY CO., New York.

F. G. CLARKE BLUE STONE CO., OXFORD, CHENANGO CO., N. Y.

MINERS, MANUFACTURERS

AND

WHOLESALERS.

ROCK, PLATFORMS, FLAGGING, STEPS, COPING, CURBING, GUTTER, CROSSING, SILLS, LINTELS, PIER PLATES AND ASHLER.

Sawed, Planed and Rubbed Stone of all descriptions on hand and to order. All kinds of Building Trimmings as per plans and specifications.

SPECIALTIES.

ROCK.—From 1 foot to 5 foot thick, any length or width, sawed or in the rough.

PLATFORMS.—Any size or thickness. Special car for transportation of large Platforms up to 14 feet by 25 feet.

ESTIMATES FURNISHED ON APPLICATION.

CHAPMAN VALVE MFG. CO., INDIAN ORCHARD, MASS.

MANUFACTURERS OF

STEAM, GAS, WATER AND AMMONIA

VALVES AND GATES.

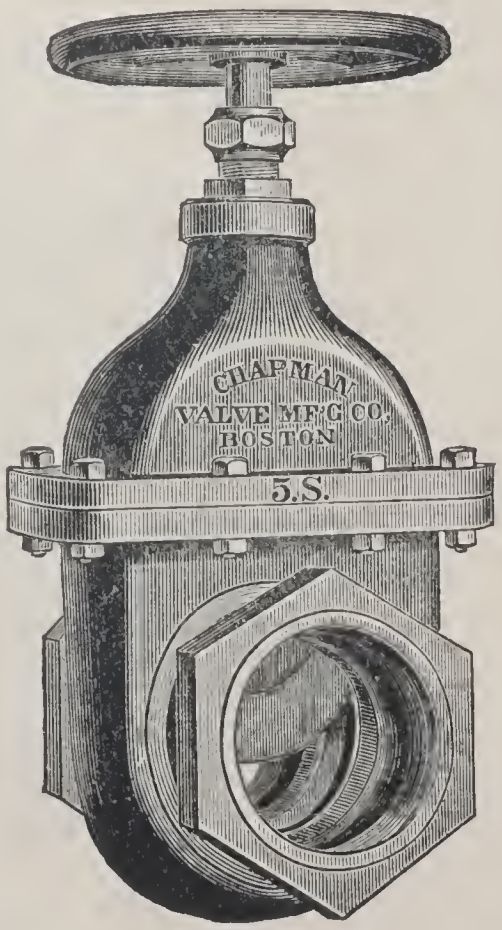
FIRE HYDRANTS,

with and without Independent Nozzle Valves.

Valves and Hydrants furnished with Babbet Metal Seats.

For Valves to be used on superheated steam, we furnish Bronze Seats and make Valves extra heavy.

All working parts non-corrosive.



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Treasurer's Office, ... 72 Kilby St., Boston, Mass.
Chicago Office . . . . . 24 West Lake St., Chicago, Ill.

NEW YORK AGENTS:

PANCOAST & ROGERS,

Corner Gold and Platt Streets,

J. G. Brill Company, Philadelphia, Pa.

BUILDERS OF

Railway and Tramway Cars,

OF ALL DESCRIPTIONS.

Fig. 1.

CARS FOR ELECTRIC AND CABLE RAILROADS, and Light Passenger Cars for surburban Railroads operated by Steam Locomotives receive special attention. This company has built the major portion of such cars now in use in the United States, and is the original inventor and maker of the Independent Rigid Trucks for the application of power to Electric Cars and Cable Cars.

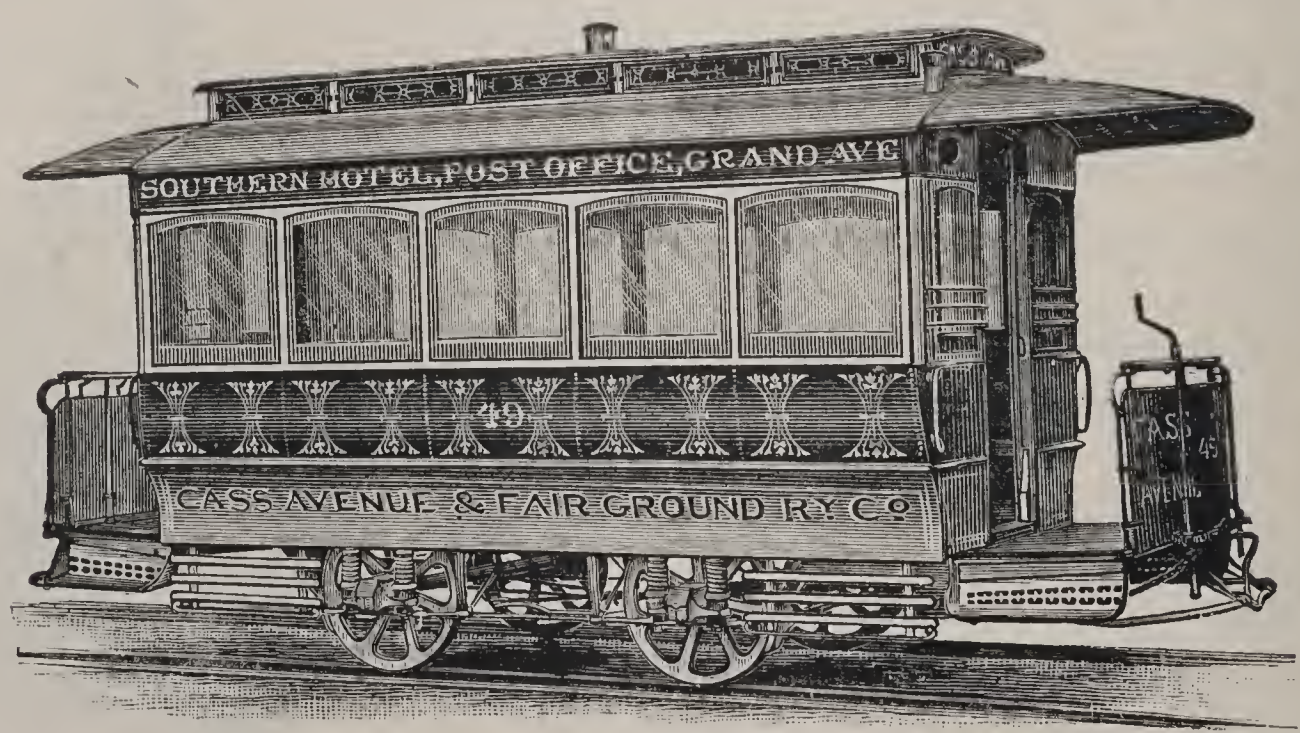


Fig. 2

J. G. Brill Company, Philadelphia, Pa.

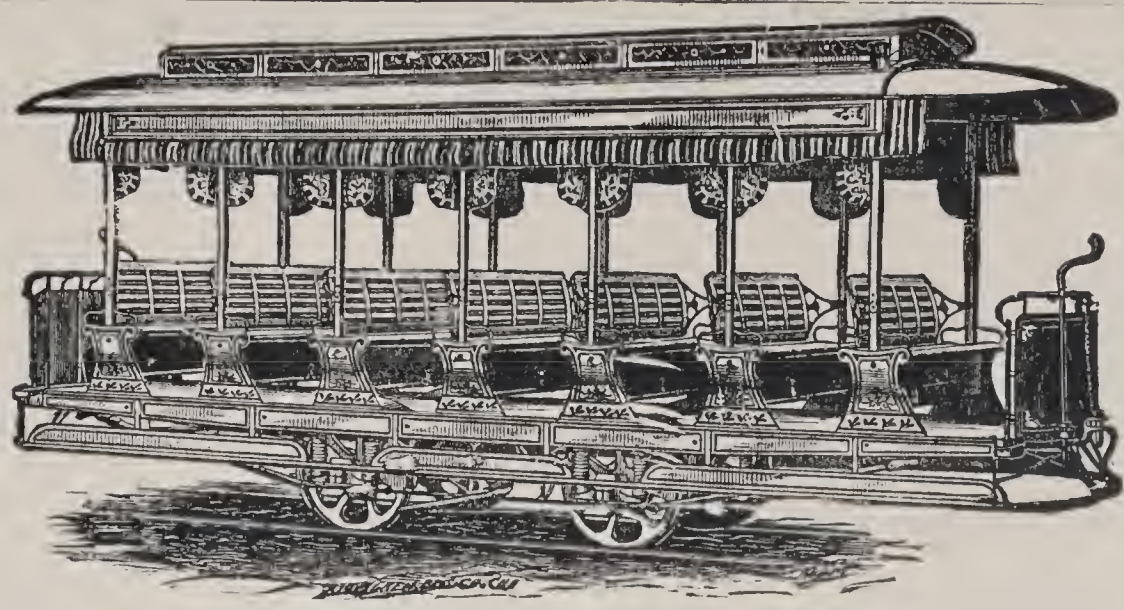


Fig. 3

Especial attention to the manufacture of Passenger Cars and Freight Cars in Sections for Foreign shipment.

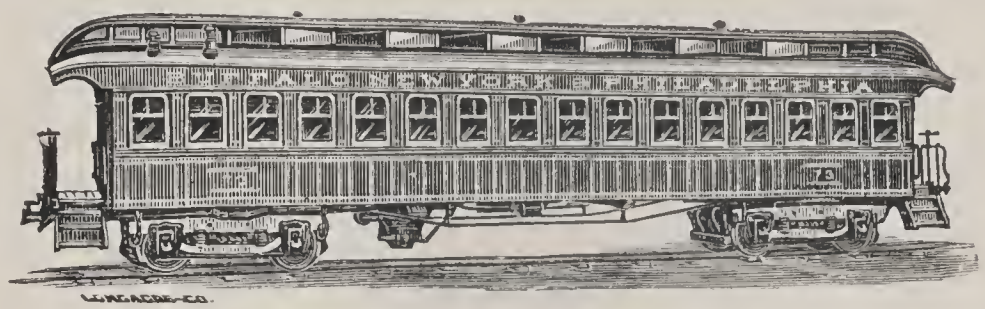


Fig. 4

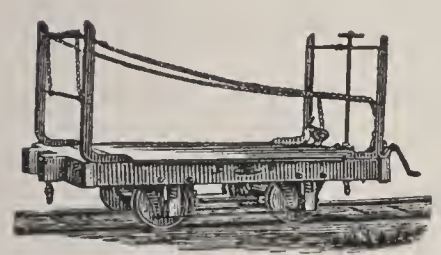


Fig. 5

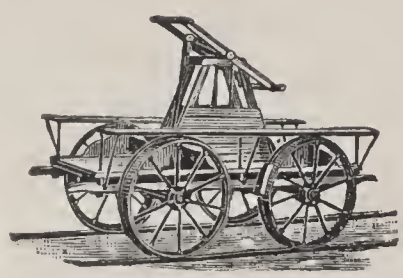


Fig. 6

Sugar Cane Cars, Hand Cars, and Small Merchandise Cars.

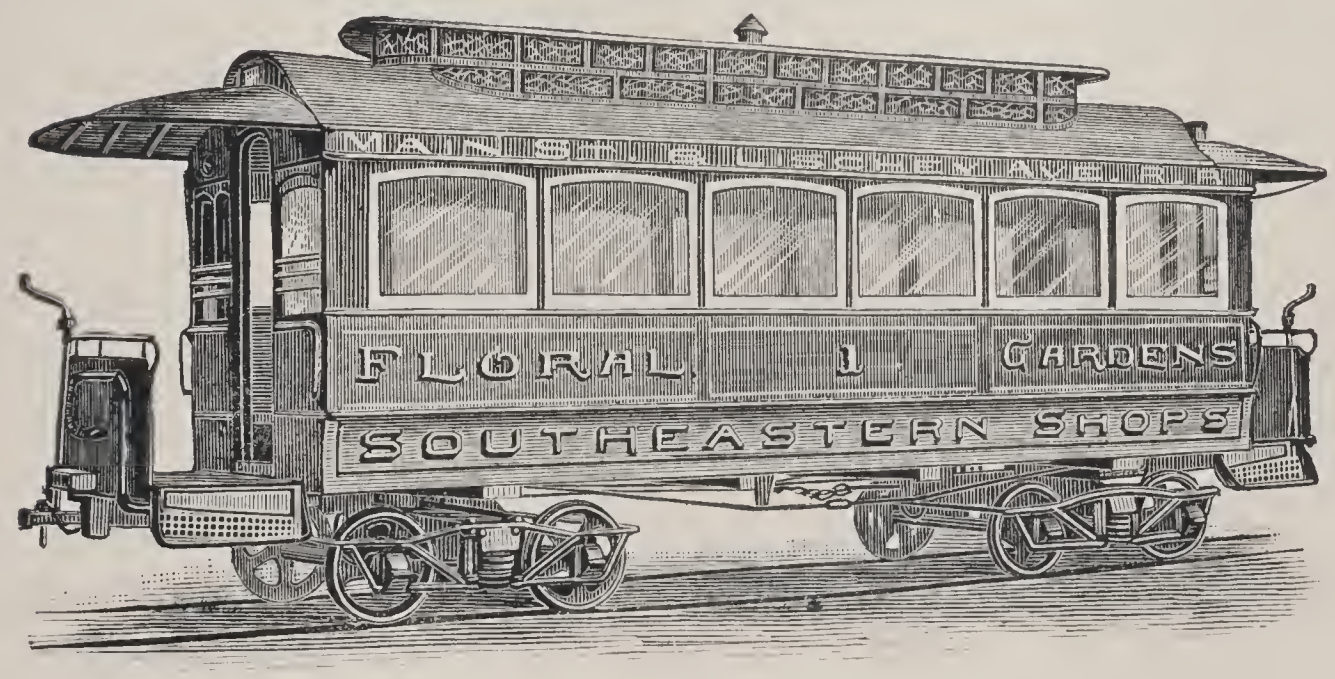


Fig. 7

Catalogues and Prices will be sent on Application.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

The Paige Tube Company, Warren, Ohio.

O. C. BARBER, President. DAVID R. PAIGE, Vice Pres't. A. T. PAIGE, Treas. & Gen'l Mgr.

J. H. FAXON, Jr., Sec'y. THOS. J. BRAY, Sup't.

Manufacturers of

Wrought Iron Tubes

OF EVERY DESCRIPTION.

Price List Adopted September 18th, 1889,

To take the place of all previous lists.

SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE.

The Outside Diameters of Extra and Double Extra Strong are always the same as ordinary Wrought Iron Pipe. The extra thickness always decreases the inside diameter.

Extra Heavy and Double Extra Heavy Pipe is always shipped plain ends, unless otherwise specified.

When with Threads and Sockets, an additional charge will be made for same.

HYDRAULIC TUBES.

Pipe heavier than Steam Pipe, and away from the standards of Extra Strong or Double Extra Strong Pipe, will be classed as "Hydraulic," and sold by the pound.

Up to and including ½ inch thick, 12c. per pound.
More than ½ inch thick, - - 18c. "

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

Prices and Description of

STANDARD WROUGHT IRON

Steam, Gas, and Water Pipe.

Cable	Nominal Size Inside Diameter	Price per Foot Black	Price Per Foot Galvanized	Actual Outside Diameter	Thick-ness	Nominal Weight Per Foot	No. of Threads per Inch of Screw
	Inches			Inches	Inches	Pounds	
Aback	⅛	$0 04	$0 05	.40	.068	0.24	27
Abaft	¼	0 04	0 05	.54	.088	0.42	18
Aband	⅜	0 04½	0 05½	.67	.091	0.56	18
Abase	½	0 05½	0 07½	.84	.109	0.84	14
Abash	¾	0 07½	0 09½	1.05	.113	1.12	14
Abate	1	0 10½	0 13½	1.31	.134	1.67	11½
Abbot	1¼	0 14	0 18½	1.66	.140	2.24	11½
Abdal	1½	0 23	0 26	1.9	.145	2.68	11½
Abear	2	0 30	0 34	2.37	.154	3.61	11½
Aberr	2½	0 47	0 53	2.87	.204	5.74	8
Abhor	3	0 62	0 68	3.5	.217	7.54	8
Abide	3½	0 74	0 88	4.	.226	9.00	8
Abime	4	0 88	1 03	4.5	.237	10.66	8
Abler	4½	1 06	1 31	5.	.247	12.34	8
Aboon	5	1 28	1 60	5.56	.259	14.50	8
Abord	6	1 65	2 00	6.62	.280	18.76	8
About	7	2 10	. .	7.62	.301	23.27	8
Above	8	2 75	. .	8.62	.322	28.18	8
Abray	9	3 75	. .	9.68	.344	33.70	8
Abuse	10	4 75	. .	10.75	.366	40.00	8
Abuzz	11	6 00	. .	11.75	.375	45.00	8
Abyss	12	7 00	. .	12.75	.375	49.00	8

EXPORTED BY

THE SEEGER & GUERNSEY CO., NEW YORK.

The Paige Tube Company, Warren, Ohio.

EXTRA STRONG AND DOUBLE EXTRA STRONG

Wrought Iron Pipe.

Cable	SIZE	Price Per Foot	Actual Outside Diameter	Actual Inside Diameter	Thickness	Nominal Weight Per Foot
	X STRONG					
Accoy	⅛	$0 08	.40	.205	.100	.29
Acerb	¼	0 08	.54	.294	.123	.54
Acorn	⅜	0 09	.67	.421	.127	.74
Acqua	½	0 11	.84	.542	.149	1.09
Acrid	¾	0 15	1.05	.736	.157	1.39
Actor	1	0 21	1.31	.951	.182	2.17
Acute	1¼	0 28	1.66	1.272	.194	3.00
Adact	1½	0 46	1.90	1.494	.203	3.63
Adage	2	0 60	2.375	1.933	.221	5.02
Adapt	2½	0 94	2.875	2.315	.280	7.67
Adays	3	1 24	3.50	2.892	.304	10.25
Addax	3½	1 48	4.00	3.358	.321	12.47
Adder	4	1 76	4.50	3.818	.341	14.97
Addle	5	2 56	5.563	4.813	.375	20.54
Adeem	6	3 30	6.625	5.750	.437	28 58
	XX STRONG					
Adieu	½	0 22	.84	.244	.298	1.70
Admit	¾	0 30	1.05	.422	.314	2.44
Admix	1	0 42	1.31	.587	.364	3 65
Adobe	1¼	0 56	1.66	.885	.388	5.20
Adore	1½	0 92	1.90	1.088	.406	6.40
Adown	2	1 20	2.375	1.491	.442	9.02
Adrip	2½	1 88	2.875	1.755	.560	13 68
Adult	3	2 48	3.50	2.284	.608	18.56
Aerie	3½	2 96	4.00	2.716	.642	22.75
Affix	4	3 52	4.50	3.136	.682	27.48
Afire	5	5 12	5.563	4.063	.75	38.12
Aflat	6	6 60	6.625	4.875	.875	53.11

Prices for Tubing, Line Pipe and Drive Pipe furnished on application.

Prices and Quotations subject to change without notice.

EXPORTED BY

THE SEEGER & GUERNSEY CO., New York.

The Paige Tube Company, Warren, Ohio.

PRICE LIST OF

Lap-Welded Casing.

Cable	Diameter Nominal Inside	Price Per Foot	Diameter Actual Outside	Nominal Weight per Foot
Afoam	2 in.	$0 25	2¼ in.	2.16
Afoot	2¼ in.	0 28	2½ in.	2.75
Afore	2½ in.	0 31	2¾ in.	3.04
Afoul	2¾ in.	0 34	3 in.	3.33
After	3 in.	0 38	3¼ in.	3.96
Again	3¼ in.	0 43	3½ in.	4.28
Agape	3½ in.	0 45	3¾ in.	4.60
Agasp	3¾ in.	0 52	4 in.	5.47
Agate	4 in.	0 56	4¼ in.	5.85
Agent	4¼ in.	0 60	4½ in.	6.17
Agile	4½ in.	0 66	4¾ in.	6.55
Aglow	4¾ in.	0 72	5 in.	7.58
Agone	5 in.	0 79	5¼ in.	8.00
Agree	5 3/16 in.	0 86	5½ in.	8.40
Agrin	5⅝ in.	1 00	6 in.	10.16
Agush	6¼ in	1 30	6⅝ in.	11.15
Aheap	6⅝ in.	1 45	7 in.	11.90
Ahigh	7⅝ in.	1 85	8 in.	13.65
Ahold	8¼ in.	2 10	8⅝ in.	14.60
Aider	8⅝ in.	2 25	9 in.	16.76
Aimer	9⅝ in.	2 75	10 in.	21.00

For Selected Pipe, or Pipe cut to specified lengths, the discount will be Five (5) per cent. less in the gross (*i. e.*, 5 per cent. higher in gross list discount) than on Regular Pipe.

On Pipe lighter than standards, or without threads or sockets, no extra allowance will be made.

EXPORTED BY

THE SEEGER & GUERNSEY CO., New York.

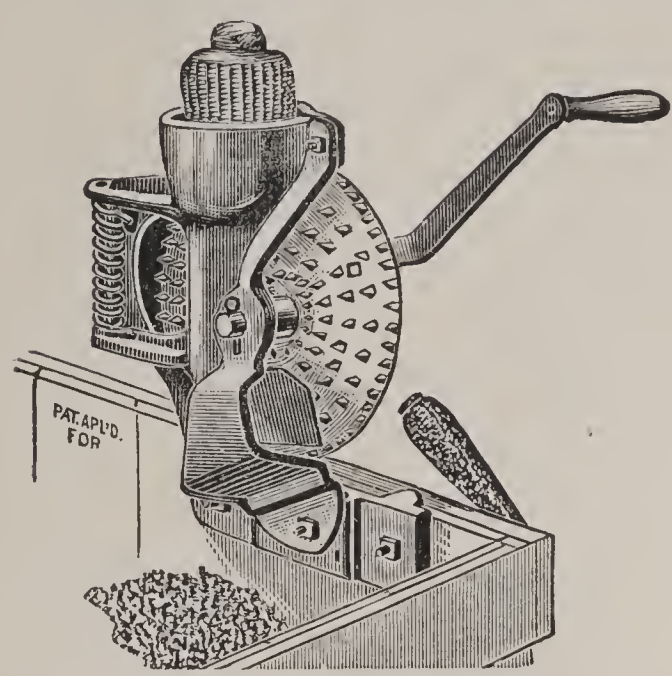
Garry Iron & Steel Roofing Co., Cleveland, O.

Sole Proprietors and Manufacturers of

THE

CYCLONE

CORN SHELLER.



Sample Machine, $3.00.

Cyclone Corn Sheller.

1st. It is cheap, simple and effective.

2d. It is fully warranted against breaking or getting out of order by any fair usage.

3d. It takes less power to do the same amount of work than any other machine of its size ever made.

4th. All the tools that are required to adjust the machine is a small wrench.

5th. It has no small springs or small parts to break loose or get out of order.

6th. There is no time lost after you are through shelling by picking the cobs out of the shelled corn, as the machine takes the corn all off the cob, drops the corn in the box or basket, takes the cob on around and throws it off at the back.

7th. By a little practice with it you can easily shell one bushel of ears in about four minutes or less; takes but little room to use or store it. The sheller is small but will do the work of many a larger machine.

A sheller wrench and clamp for fastening machine to box accompanies every machine.

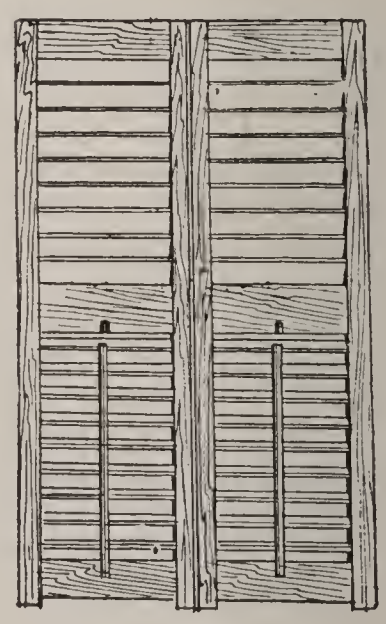
Arthur F. Tyler, Athol, Mass.

MANUFACTURER OF

Sashes, Blinds and Glazed Windows.

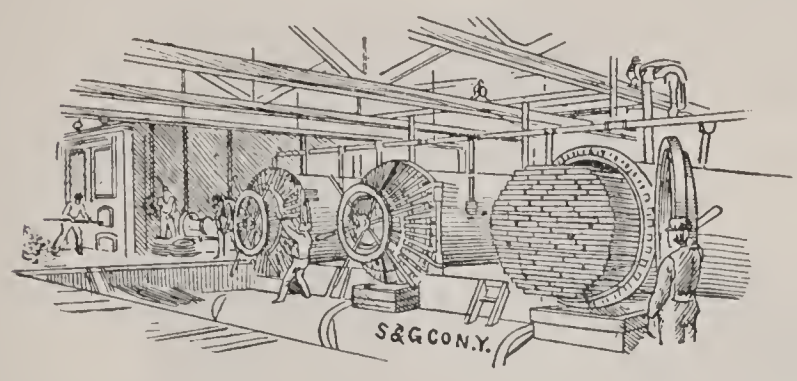
SASHES.

Cable.	Width Ft.	Width Ins.	Height Ft.	Height Ins.	Size of Glass	Price in N. Y.	Wt. Lbs.	Cubic Feet
Imaum	2	0⅝	3	5½	7x 9 12 light	65 cts.	50	3½
Imbow	2	3⅝	3	9½	8x10 "	68 "	58	4
Imbue	2	6⅝	4	5½	9x12 "	75 "	65	5
Imide.	2	6⅝	4	9½	9x13 "	78 "	70	6
Impel.....	2	9⅝	4	5½	10x12 "	77 "	72	7
Imply.....	2	9⅝	5	1½	10x14 "	84 "	80	8
Inane.....	2	9⅝	5	9½	10x15 "	88 "	85	9
Inapt. . ..	2	9⅝	6	5½	10x18 "	93 "	100	10



Cable, *Incog*..... .. Blind Slats.....12 inches long.....$1 75 per 1000
" *Incur* ..... " .....14 " " ..... . 1 96 "
" *Incus*..... " .....16 " " ..... 2 20 "

THE HASKIN WOOD VULCANIZING CO., 42 WALL STREET, N. Y. CITY.



The only process for the preservation of wood which has fulfilled the requirements of the Manhattan Elevated Railroad Co., of N. Y.

Six years of the severest strain and exposure withstood without impairment.

Lumber and Timber treated by the patented process of the company becomes impervious to climatic influences. Its crushing and bearing limits are increased fifteen per cent.

For telegraph construction VULCANIZED WOOD is unsurpassed, the vulcanizing process increasing its resistance to electricity fifty per cent.

Imperishable Railroad Ties.

EXTRACTS FROM LETTERS AND TESTS.

MANHATTAN RAILWAY CO., 71 Broadway,
NEW YORK, March 1, 1889.

The cross ties and planking which had been treated by the Vulcanizing process, which we placed on the structure six years ago this month, is sound and the surface of the ties and planking very hard.

There are no indications of decay at the end of these planks which were vulcanized, while the planks *not treated* and placed on the structure about the same time are decayed at the ends, or where they are nailed to the supporting timbers.

[SIGNED] ROBERT SLOAN,
Chief Engineer.

SCHOOL OF MINES, COLUMBIA COLLEGE,
NEW YORK, February 25, 1890.

I would say that your process seems to be a remarkably simple and effective one for very greatly increasing the durability of timber.

[SIGNED] C. F. CHANDLER, *Ph. D.*

The New York Central & Hudson River Railroad and the New York, Lake Erie & Western Railroad have also been using the Vulcanized Wood of the company and endorse its preserving qualities with confidence and candor.

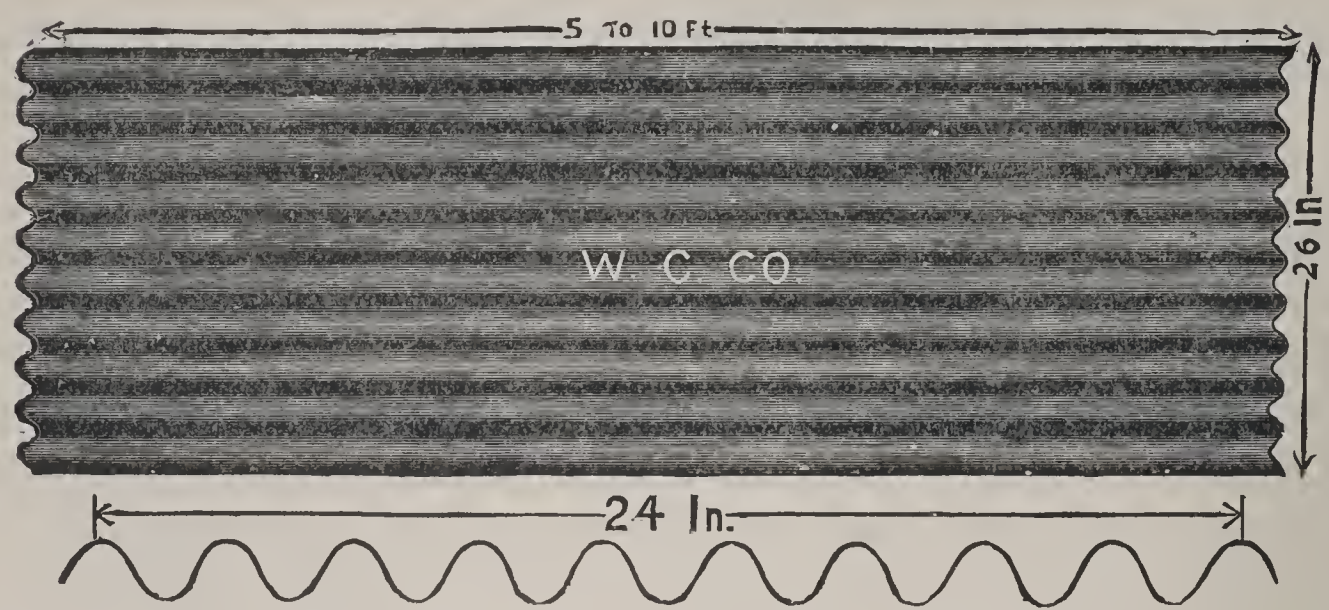
ADDRESS— THE SEEGER & GUERNSEY CO.,
7 BOWLING GREEN, NEW YORK CITY.

WHEELING CORRUGATING CO., WHEELING, W. VA., U. S. A.

MANUFACTURERS OF

Corrugated and Plain Sheet Metal Roofing, Siding and Ceiling,

Fire Proof Shutters and Doors, Sheet Iron and Sheet Steel, Black, Painted and Galvanized.



Standard 2½ inch Corrugation, covering 24 inches after lapping one Corrugation.

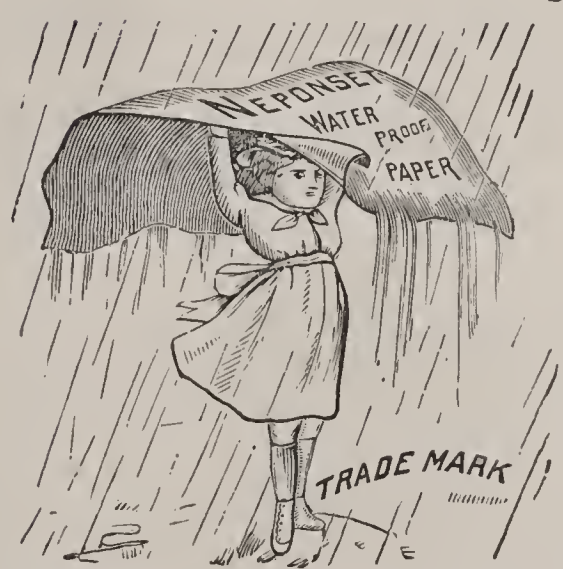
We make all the usual Corrugations in all gauges. Extreme length of sheets 10 feet.

We Curve sheets to any required radius in any gauge from No. 16 to No. 28.

We carry large stocks and can ship promptly.

F. W. BIRD & SON, EAST WALPOLE, MASS.

SOLE MANUFACTURERS.



Waterproof Roofing and Sheathing.

"NEPONSET" RED ROPE ROOFING.

Will make a Water and Air-tight roof, or Side Covering, at a fraction of the cost of tin or shingles, and last as long.

It can be used to great advantage in place of back-plastering, and while less than one-third the cost, it will keep a house warmer and dryer than back-plaster.

"NEPONSET" BLACK SHEATHING.

Will never become dry or brittle Vermin proof. Clean. Better and cheaper than tarred papers.

"NEPONSET" CAR ROOFING.

By our patent method of applying, absolute freedom from leakage is insured. Great strength and flexibility. Will last the life of any car. Costs much less than any other roof. Unequalled for repairing.

"NEPONSET" INSULATING.

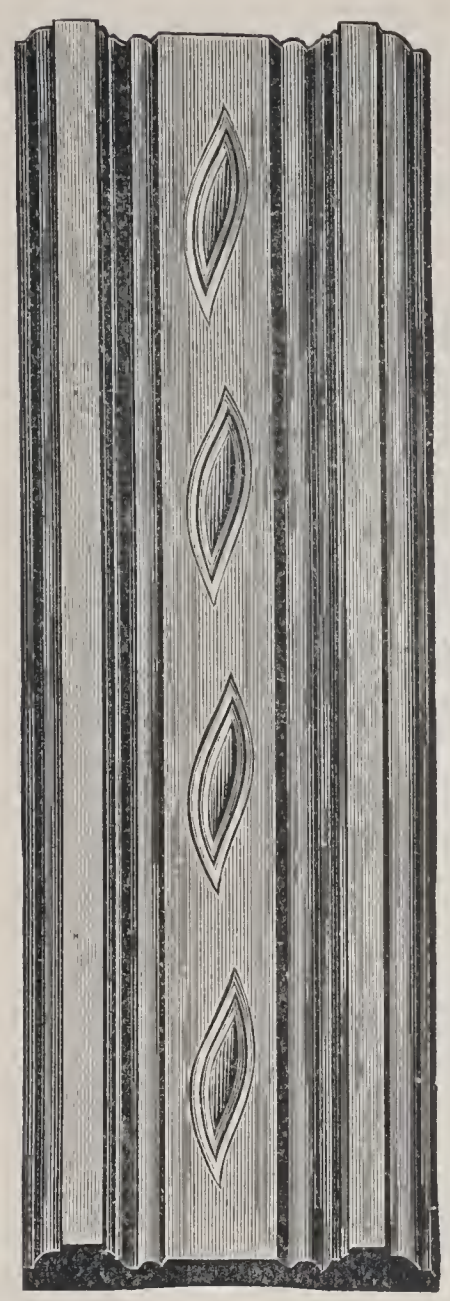
Odorless. High non-conductor. Unsurpassed for lining refrigerator cars and cold storage buildings.

We guarantee all grades of "NEPONSET" to be absolutely water and air-tight.

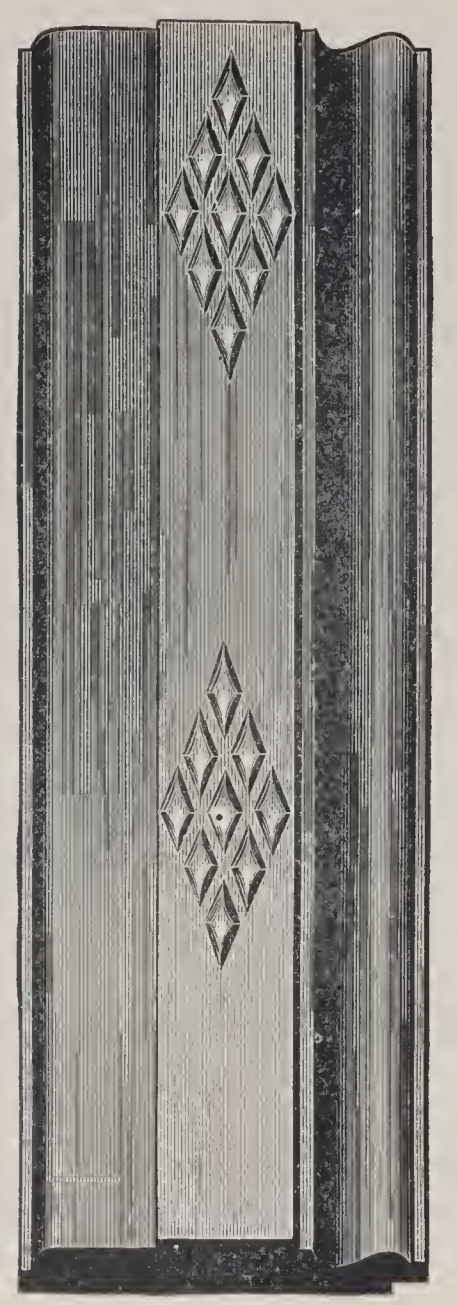
We also manufacture all grades of heavy papers. Correspondence solicited.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.



Pat. 117



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Geometrical Carved Woods

Are for Wainscoting, Ceiling, Mouldings,
Interior Finish, Public and Private Buildings.

Allegheny Geometrical Wood Carving Co.

ALLEGHENY, PENNA.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

BRICKS.

Pressed Bricks, For Fine Fronts,

Molded Bricks, For Jambs, Cornices, etc.,

Ornamental Bricks, For Panels, String Courses, etc.,

in great variety and in shapes and designs *made on special order*, can be obtained in any quantity and at shortest notice, by addressing:

HYDRAULIC-PRESS BRICK CO.,
Odd Fellows' Building, St. Louis, Mo.

EASTERN HYDRAULIC-PRESS BRICK CO.,
Winslow Junction, N. J.

WASHINGTON HYDRAULIC-PRESS BRICK CO.,
49 Kellogg Building, Washington, D. C.

FINDLAY HYDRAULIC-PRESS BRICK CO.,
Findlay, Ohio.

CHICAGO HYDRAULIC-PRESS BRICK CO.,
301 Chamber of Commerce Building, Chicago, Ills.

OMAHA HYDRAULIC-PRESS BRICK CO.,
First National Building, Omaha, Neb.

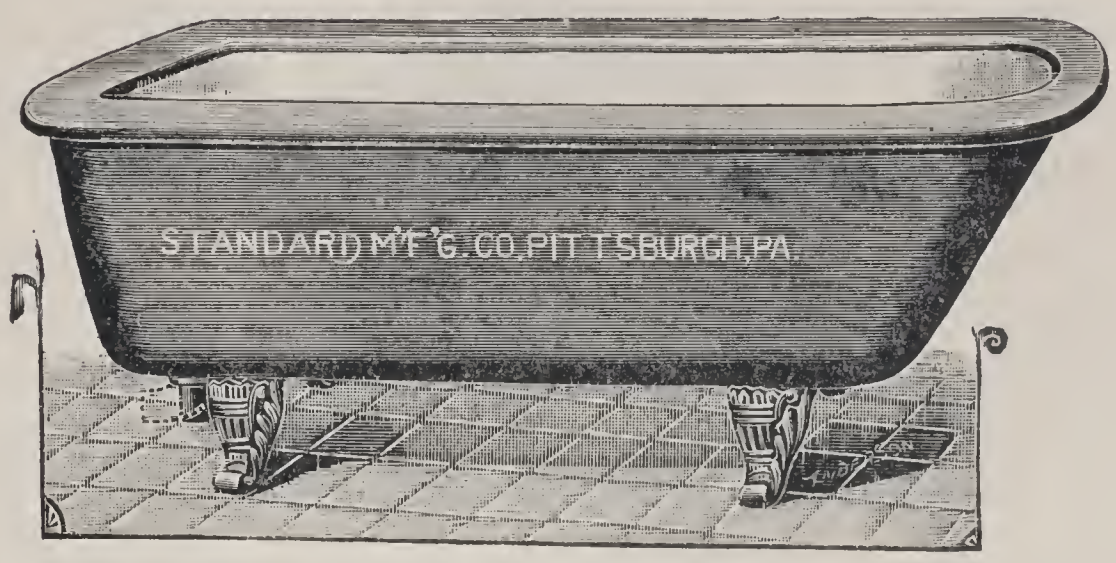
KANSAS CITY HYDRAULIC-PRESS BRICK CO.,
Builders' Exchange, Kansas City, Mo.

NOTICE.

The HYDRAULIC-PRESS BRICK CO., of St. Louis, makes a specialty of Front Bricks, ordinary size and Roman (any length and thickness) in colors, Gray-Granite, Buff, Pink and variegated tints.

STANDARD MANUFACTURING CO., PITTSBURGH, PA.

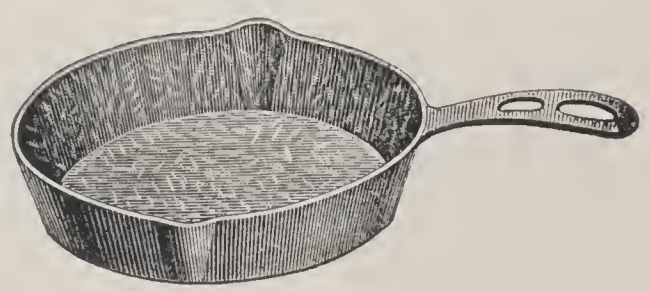
Iron Founders and Enamelers.



PORCELAIN ENAMELED IRON BATH TUBS.

Plumber's Iron Ware.

Hollow Ware for Home and Export Use.



Enameled and Tinned Cast Iron Hollow Ware,
Gray Enameled Stove Ware,
Enameled Ware for Chemical Purposes.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

DIAMOND PASTE COMPANY, ALBANY, N. Y.

THE KING OF ALL PASTES.

CONDENSED AND DRY.

ALWAYS READY FOR USE.

No Waste. No Mould. No Smell. Will Keep in Any Climate.

FOR PAPER HANGING, BOOT AND SHOE MANUFACTURERS, BREWERS, BOTTLERS, AND ALL USERS OF PASTE.

Sold in every city in the United States, and in London, Glasgow and Edinburgh.

Diamond Paste Co., Mnfrs., Albany, N. Y., U. S. A.

THE LOVEJOY CO., 444–446 PEARL ST., NEW YORK.

ESTABLISHED 1853

ELECTROTYPERS

And Manufacturers of

Electrotypers' Machinery.

Steel and Copperplate Engravings Duplicated by the Electrotype Process

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

TAUNTON COPPER MFG. CO., TAUNTON, MASS.

ESTABLISHED 1825.

Manufacturers of

YELLOW METAL

Sheathing, Dimension Sheets, Piston Rods, Bolts, Spikes, Sheathing and Slating Nails.

COPPER

Ingot, Sheathing, Bolts, Sheets of any size, shape or thickness, Tinned or Untinned; Circles, Bath Tubs, and Locomotive Fire-Box Sheets; Boat, Sheathing and Slating Nails, Bath Boilers, Stove Boiler Bottoms; Lightning Rods, Calico Printers' Rollers, Tack Plate, Soldering Irons. Also,

ZINC

Spelter, Sheathing, Dimension Sheets, Tack Plate; Sheathing, Shingle and Slating Nails

CASH PAID FOR OLD COPPER, YELLOW METAL, BRASS, ZINC, ETC.

SELLING AGENTS:

W. G. ROBY & Co., 11 Broad Street, Boston.

TAUNTON COPPER MFG. Co., 232 South St., N. Y.

E. PRATT & BROTHER, 29 South Charles Street, Baltimore.

G. M. JOSSELYN & Co., 38 and 40 Market Street, San Francisco, Cal.

GUMMEY, SPERING & Co., 1023 Market Street, Philadelphia.

SHOMAKER & VOUTE, 124 South Delaware Avenue, Philadelphia.

STAUFFER, ESHLEMAN & Co., 71 Canal Street, New Orleans, La.

LYMAN, SON & Co., Portland, Me.

BENEDICT & BURNHAM MFG. CO., WATERBURY, CONN.

A. S. CHASE, Prest. E. L. FRISBIE, JR., Treas. A. M. DICKINSON, Secy. C. L. STOCKING, Asst. Treas.

Established 1812. Incorporated 1843

Brass and Copper Rolling and Wire Mills.

Seamless Brass and Copper Tubing,

Bare and Insulated Copper Wire for Electrical Purposes,

German Silver Sheet and Wire.

Brass Butts, Lamp Burners, Copper Rivets and Burs, Eyelets, Safety Pins, and other articles manufactured from sheet metal and wire.

DEPOTS:

13 Murray St., New York. 24 Oliver St., Boston. 17 North 7th St., Philadelphia.

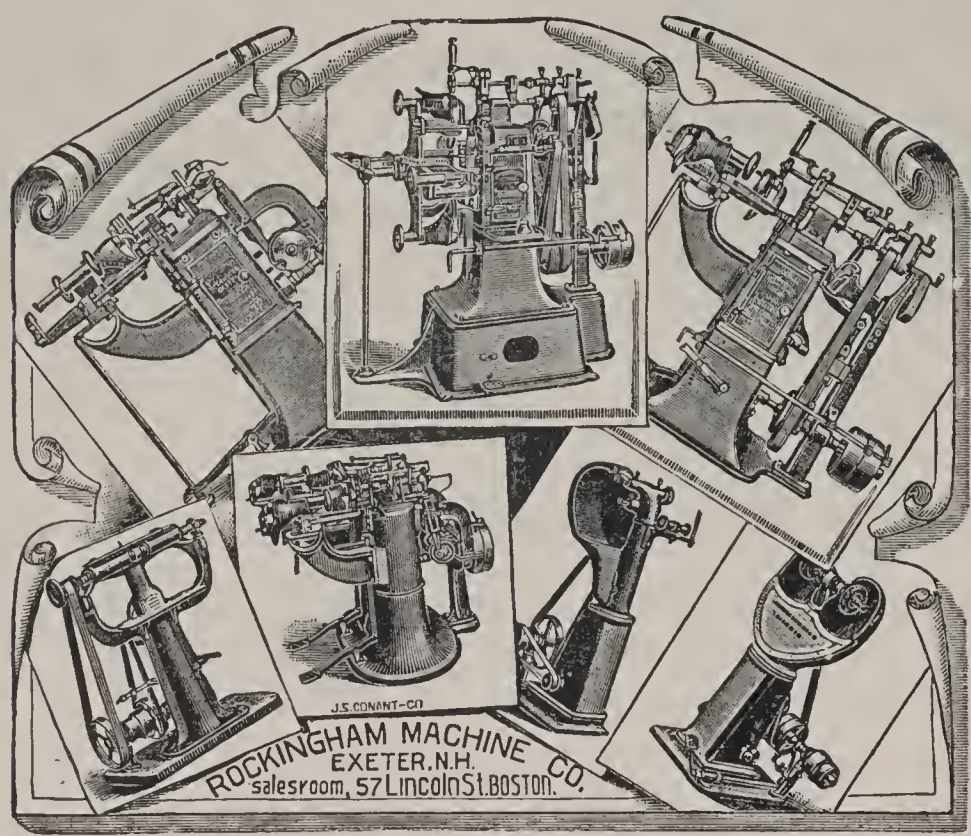
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

ROCKINGHAM MACHINE CO., EXETER, N. H., U.S.A.

Manufacturers of

Boot and Shoe Machinery.



MAKERS OF

Heel Burnishers,
Heel Scourers,
Bottom Buffers,
Heel Seat Beading Machines,
Edge Trimmers,
Edge Setters,
Carburetters,

AND

All other Machines used in Finishing Department.

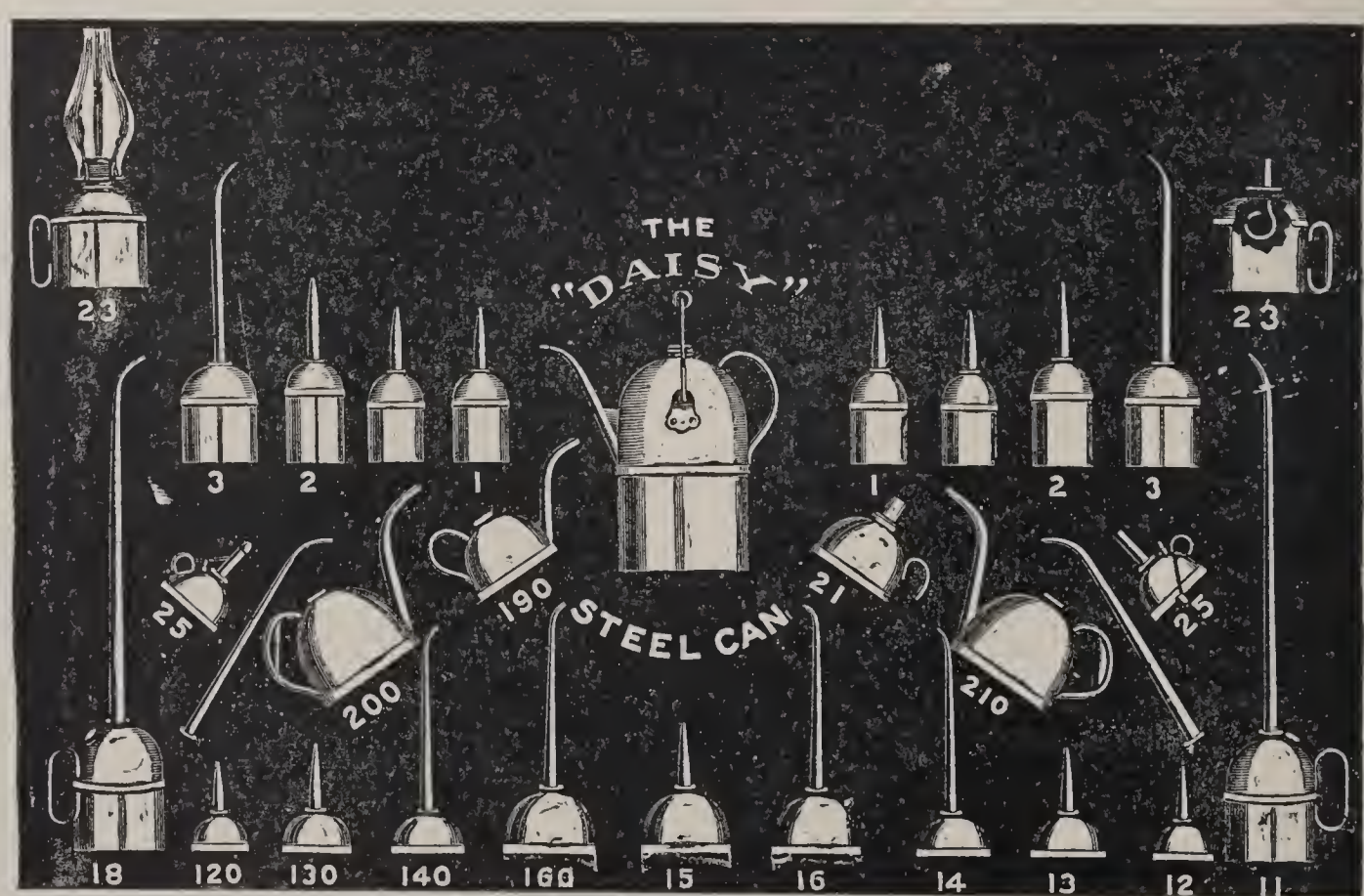
Send for Descriptive Catalogue and Prices.

H. A. WILLIAMS MFG. CO., 22 MILK ST., BOSTON, MASS.

Sole Manufacturers of the

"WILLIAMS," "DRAPER" and "SIPHON."

Oilers and Steel and Brass Lamps.



These Oil Cans are very durable, and are adapted for use in Mills, Machine Shops, and on Railways where great wearing qualities are required. Catalogue and Price-list furnished free on application.

THE UNDERWOOD M'F'G CO., TOLLAND, CONN.

F. H. UNDERWOOD, PRES'T.
E. S. AGARD, TREAS.

G. W. LANSING, SEC'Y.
J. E. UNDERWOOD, SUP'T.

PATENT COTTON-LEATHER BELTING.

SPECIALTIES IN

Leather and Cotton Belting,

Patent Cotton-Leather,

Bound Edge Cotton-Leather,

Twisted Round Watch Twist,

Patent Solid Round, Angular,

or "V" Patent two-ply.

BRANCH OFFICES:

143 LIBERTY ST., NEW YORK.
ENGINEERING EQUIPMENT CO.,
Selling Agents.

126 PEARL ST., BOSTON, MASS.
F. A. MAGEE, Selling Agent.

CHICAGO, ILL.
F. P. MACK, Selling Agent.

AGENCY,
DAYTON, OHIO.
C. A. GUMP & CO.

ANGULAR BELTING,

EXECUTIVE OFFICE & FACTORY, TOLLAND, CONN.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE S. OBERMAYER FOUNDRY SUPPLY MFG. CO.

CINCINNATI, OHIO, - - U. S. A.

The Largest Establishment of its kind in the World.

Manufacturers of all kinds of

Foundry Facings and Blackings.

Miners, Importers and Refiners of

GRAPHITE, PLUMBAGO or BLACK LEAD

For all Purposes.

Iron and Brass Foundry Supplies of Every Description.
Molding Sands and Molders' Tools.

Trial samples of facings sent free. Write for Illustrated Catalogue and Price List.

Branches: 164 Summer St., Boston, Mass., and 225 Pearl St., New York.
129 N. 3rd Street, Philadelphia, Pa.

ST. LOUIS, MO.

Office ST. LOUIS ELECTRIC POWER CO., 210 Locust Avenue, St. Louis, Aug. 29, 1890.

Shultz Belting Co., St. Louis:

DEAR SIRS—We have been using one of your 15-inch Woven Leather Belts for the past six months, and we will say it is the best running belt we ever saw, and has greater driving power than any belt we ever used. There is absolutely no slipping—not even enough to keep the pulley bright. Send you customers to our plant to see the finest belt ever made. Yours truly, C. R. SCUDDER, Treas.

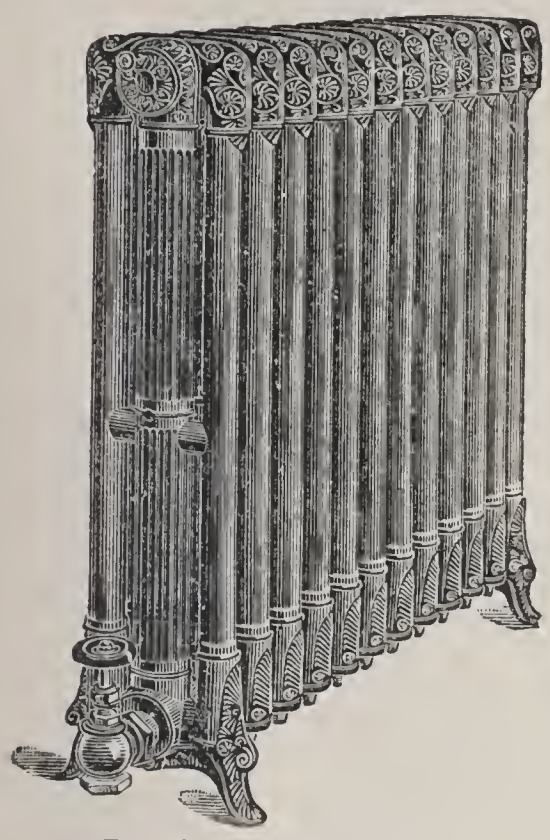
MASSACHUSETTS COTTON MILLS, Lowell, February 18, 1889.

Mr W. P. Mullen, Vice-Prest. Shultz Belting Co., Boston.

DEAR SIR—I take pleasure in saying that after several years' experience with the Shultz Belt, I am thoroughly satisfied of its durability and efficiency; and should now hardly know how to get along without it. I have used it for the most difficult service to which belting can be subjected in a cotton mill, and in widths from one to forty inches. Yours truly, W. S. SOUTHWORTH, Supt.

THE H. B. SMITH CO., 137 CENTRE ST., NEW YORK CITY.

ESTABLISHED 1853.



Royal Union Radiator.

MANUFACTURERS OF

STEAM AND WATER

Heating Apparatus,

FOR PUBLIC BUILDINGS, RESIDENCES, ETC.

Our Specialties.

Gold's Improved Sectional Boilers.

Mills' Improved Safety Sectional Boilers.

Mercer Boilers for Steam or Water.

The Union and Royal Union Radiators, for Steam or Water.

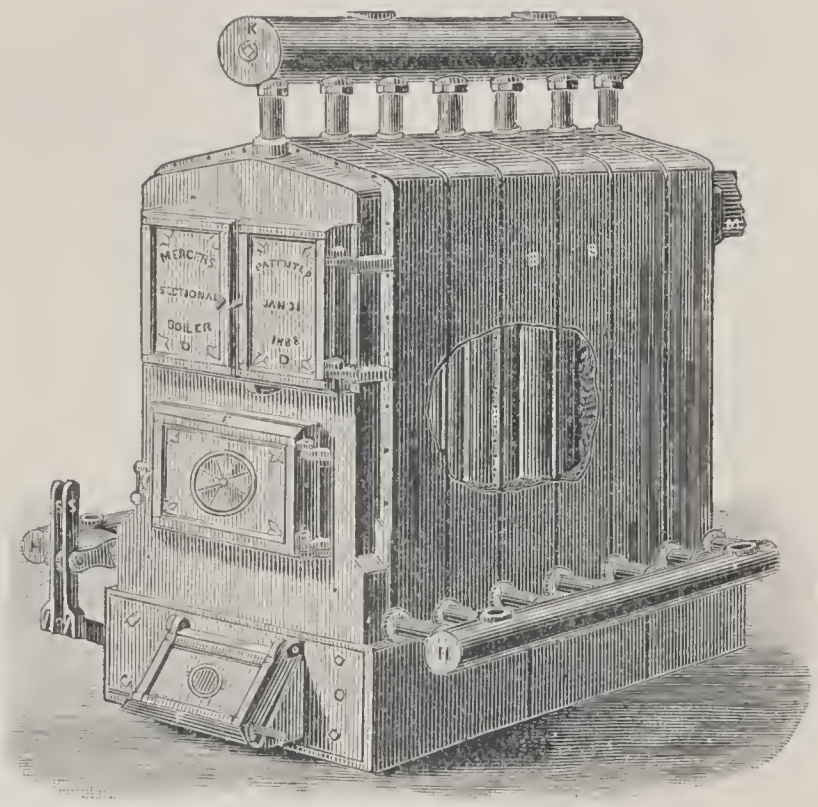
Reed's Improved Cast Iron Radiators.

The Imperial Radiators.

The Whittier Radiators.

Gold's Indirect Pin Radiators, with Nipple and Flanged Joints.

Breckenridge's Patent Automatic Air Valves.



Mercer Boiler.

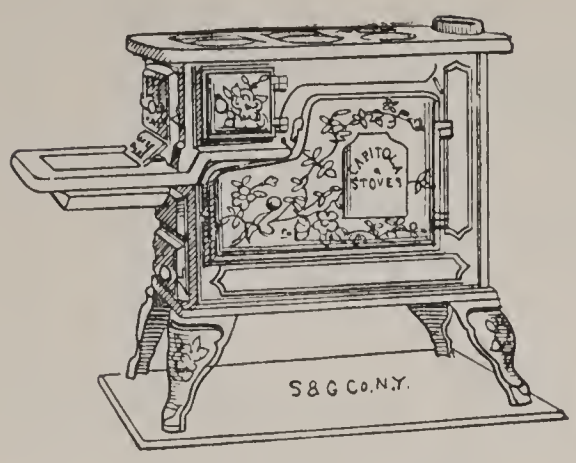
Office and Warerooms:

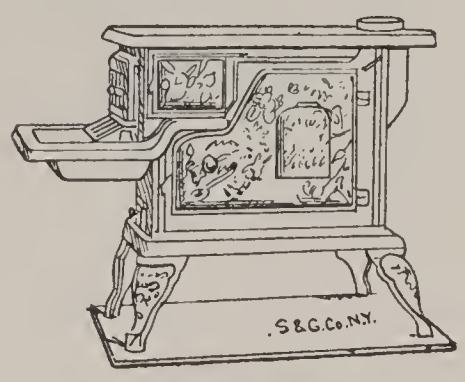
137 CENTRE STREET, NEW YORK.

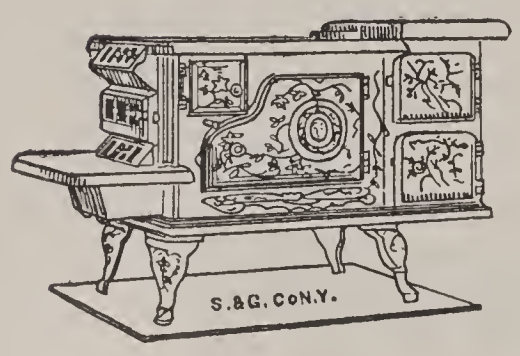
SEND FOR CATALOGUE.

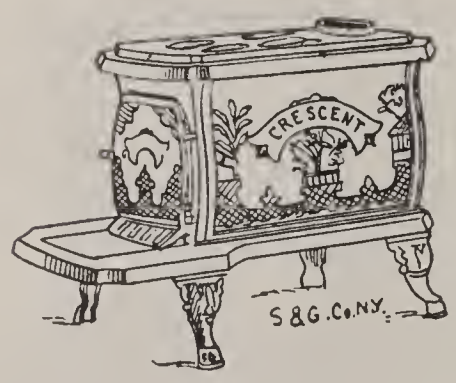
FOR EXPORT BY

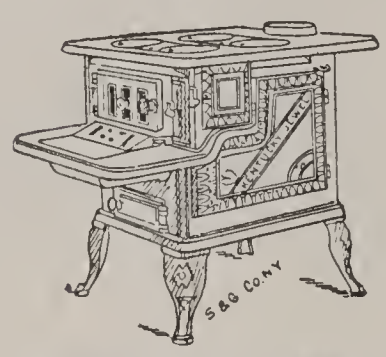
THE SEEGER & GUERNSEY CO., NEW YORK.

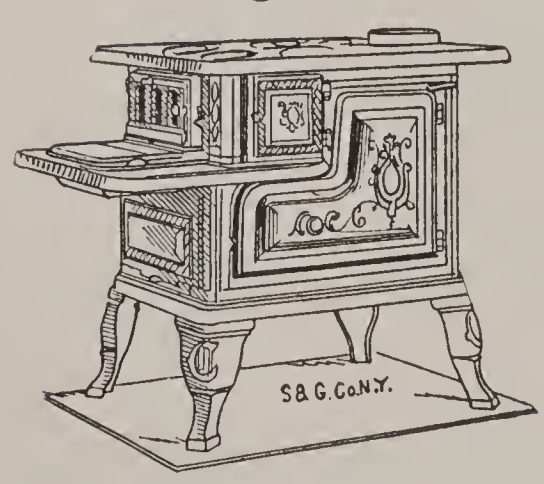












CAPITOLA SQUARE TOP FOR WOOD.

Cable	Weight Less Ware	Nos.	Price
Index	200	6-17	$9 00
Inaia	200	7-17	9 10
Indol	250	7-19	11 35
Indue	260	8-19	11 50
Inert	285	8-21	13 65
Infer	290	9-21	13 90

CAPITOLA EXTENSION FOR WOOD.

Cable	Weight Less Wear	No.	Price.
Infix	310	7-19	$19 70
Infra	360	8-21	23 00

CAPITOLA SQUARE TOP, 4 HOLES.

Cable	Weight Less Wear	No.	Price.
Ingle	145	6-14	$5 90
Ingot	145	7-14	6 00
Inker	160	6-16	6 90
Inlay	165	7-16	7 00
Inlet	170	8-16	7 35
Inner	220	7-18	11 50
Inset	220	8-18	11 75
Inter	225	9-18	11 90
Inure	300	8-23	15 00
Iodic	300	9-23	15 25

ROSE CAPITOLA, SQUARE OR EXTENSION, FOR COAL.

Cable.	Weight Less Wear.	No.	Price
Ionic	190	6-14	$10 75
Irate	195	7-14	10 90
Irion	230	7-16	12 00
Irish	235	8-16	12 25
Irony	275	7-18	14 25
Irons	275	8-18	14 50
Islam	335	8-20	16 50
Islet	345	9-20	17 00
	EXTENSION		
Issue	335	7-18	20 75
Itchy	335	8-18	21 00
Ivied	405	8-20	24 00
Ivory	410	9-20	25 00

CRESCENT.

Cable	Weight	No.	Price
Oaken	50	18	$2 00
Oakum	72	22	2 70
Oared	92	25	3 25
Oasis	110	28	3 95
Oaten	115	31	4 20
Obeah	165	36	5 65

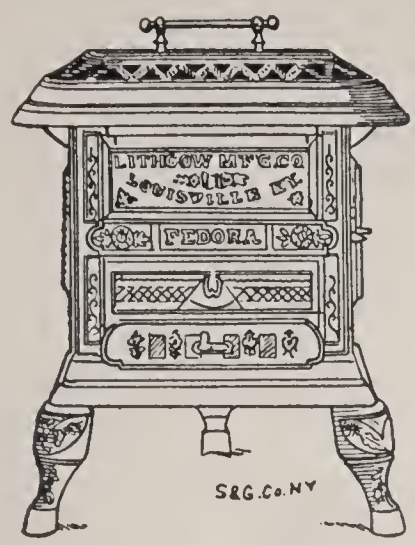
Kentucky Jewel Sq. Top For Wood.

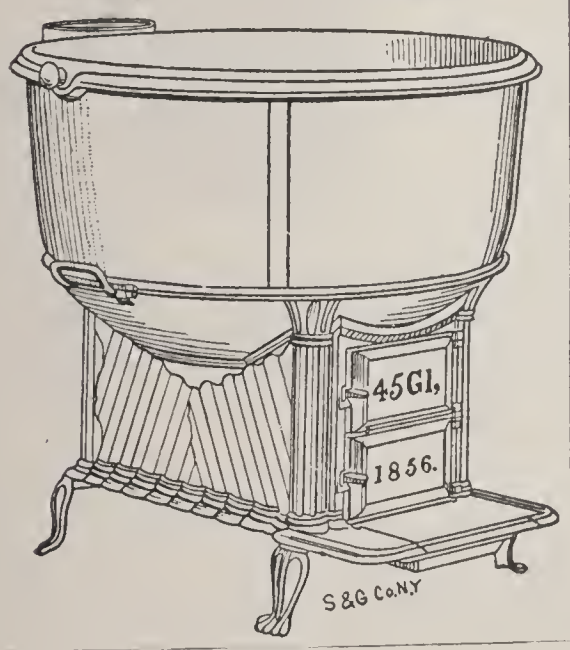
Cable	Weight Less Ware	No.	Price
Obese	140	6	$5 50
Obole	140	7	5 65
Obrok	154	60	6 50
Occur	160	70	6 75

New Chart Sq. Top For Wood.

Cable	Weight Less Ware	No.	Price
Ocean	178	6	$7 40
Ochre	182	7	7 75
Ocrea	237	77	9 25
Octad	241	88	9 50

Lithgow Manufacturing Co., Louisville, Ky.





FEDORA, FOR COAL.

Cable	Weight	No.	Price
Octet	56	6	$2 90
Octic	70	7	3 40
Octyl	90	8	4 10

CAMILLE—Same Stove, For Wood Only.

Cable	Weight	No.	Price
Oculo	56	6	$2 50
Odeon	70	7	2 75
Odist	90	8	3 70

CAPITOLA PARLOR, Coal or Wood.

Cable	Weight	No.	Price.
Odium	107	18	$5 75
Odize	134	20	6 90
Odmyl	155	23	7 30
	WOOD ONLY.		
Odyle	85	18	4 50
Offal	90	20	5 90
Offer	110	23	6 20

CAPITOLA COTTAGE.—Coal or Wood.

Cable	Weight	No.	Price
Often	122	18	$7 15
Oghan	150	20	8 25
Ogive	177	23	8 65
	WOOD ONLY.		
Ogler	100	18	6 30
Oglio	110	20	7 25
Oiled	155	23	7 70

FURNACE AND KETTLE.—For Wood.

Cable	Gallons	Price
Olden	15	$7 70
Oleic	22	10 15
Olent	30	12 40
Oligo	45	14 70
Olive	60	17 60
	Coal Grate, for above.	
Ology	15	55
Omber	22	65
Omega	30	75
Onely	45	85
Onion	60	1 00

First number of cook stoves indicates size of holes on top, second number indicates size of oven, which is square. It is usual to trim cooks with ironware only, which consists of two pots, two skillets, and two griddles, but we can furnish the tin trimmings, consisting of

Tin Wash Boiler, copper bottom.
Tin Sauce Pan, " "
Tin Coffee Boiler, " "
Tin Steamer.
3 Bake Pans.
1 Joint Stove Pipe.
1 Elbow.
1 Lid Lifter.
1 Pot Cover.

Add $1.25 per set to price of stove for IRONWARE on 6-inch and 7-inch stoves, and $1.50 for 8-inch. For tin trimmings, *only* $3.00 for 6-inch and 7-inch, and $4.00 for 8-inch.

FOREHAND ARMS COMPANY, WORCESTER, MASS.

AUTOMATIC EXTRACTING

Double-Action Revolver.

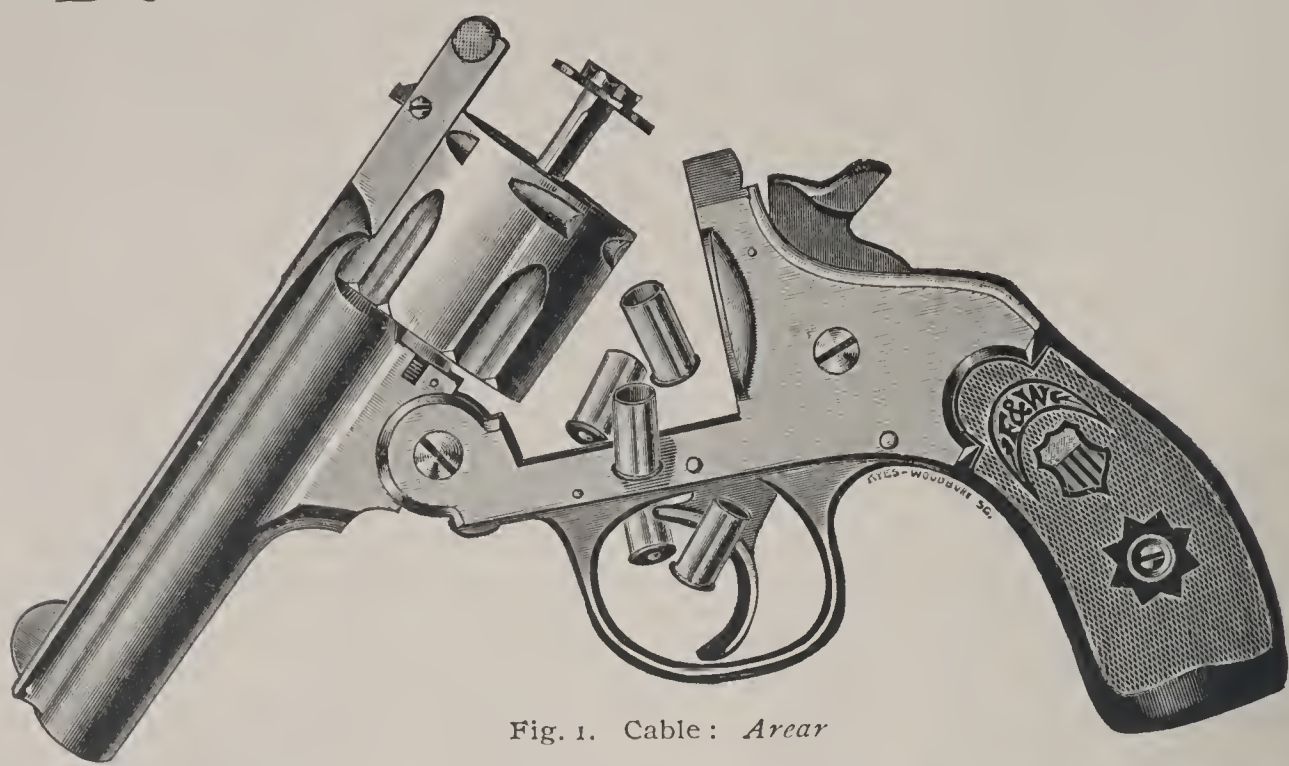


Fig. 1. Cable: *Arear*

32 and 38 S. & W. Center Fire. 3¼, 4 and 5-inch Barrels. Weight, 16 ounces.

These Pistols are superior to any make in simplicity and durability. Rebounding lock; full nickel-plated; parts interchangeable.

Sold by all Dealers throughout the United States.

NEW HAMMERLESS REVOLVER,

Automatic Shell Extracting.

3¼, 4 and 5-inch Barrels. 32 and 38 Centre Fire S. & W. Cartridge.

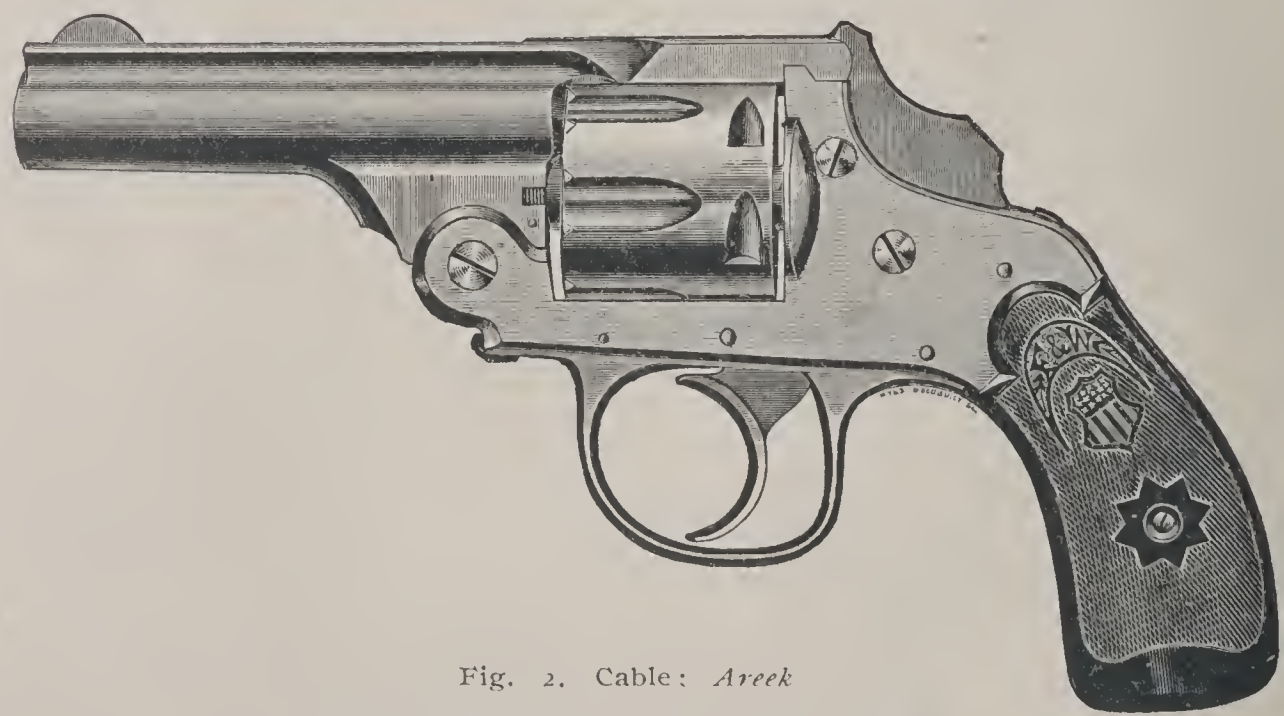


Fig. 2. Cable: *Areek*

AN ABSOLUTELY SAFE ARM.

It has the strongest and safest barrel catch put upon any pistol, and it is impossible to unlock or tip the barrel when the discharge takes place, for in cocking the arm the barrel catch is positively locked by a safety block. It also has a safety catch to lock the hammer when it is desired to prevent accidental discharge. Rebounding lock. Weight, 16 ounces. Sold by all dealers in arms generally throughout the United States.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

SMITH & WESSON, SPRINGFIELD, MASS.

MANUFACTURERS OF SUPERIOR

Automatic Shell Extracting REVOLVERS.

Constructed entirely of best quality wrought steel, and unequaled for durability, accuracy, excellence of workmanship, convenience in loading and safety.

List of Models always in Stock.

Cable: *Arefy* Caliber, 32-100 Single action, 3, 3½ and 6-inch barrels.
Cable: *Arena.* Caliber, 32-100 Double action, 3, 3½ and 6-inch barrels.
Cable: *Arest.* Caliber, 32-100 Safety Hammerless, 3 and 3½-inch barrels.
Cable: *Argil.* Caliber, 38-100 Single action, 3¼, 4, 5 and 6-inch barrels.
Cable: *Argue.* Caliber, 38-100 Double action, 3¼, 4, 5 and 6-inch barrels.
Cable: *Argus.* Caliber 38-100 Safety Hammerless, 3¼, 4 and 5-inch barrels.
Cable; *Arian.* Caliber, 44-100 Single action (Army), 4, 5, 6, and 6½-inch barrels.
Cable: *Ariel.* Caliber, 44-100 Single action (Frontier), 4, 5, 6, and 6½-inch barrels.
Cable: *Arise.* Caliber, 44-100 Double action (Navy), 4, 5, 6 and 6½-inch barrels.
Cable: *Armed.* Caliber, 44-100 Double action, (Frontier), 4, 5, 6 and 6½-inch barrels.
Cable: *Armil.* Caliber, 32-100 Target, Single action, Army size, 6½-inch barrel.
Cable: *Armor.* Caliber, 38-100 Target, Single action, Army size, 6½-inch barrel.
Cable: *Arnut.* Caliber, 44-100 Target, Single action, Army size, 6½-inch barrel.

Above cut represents the **Hammerless Safety Model**, the latest production of SMITH & WESSON. So constructed as to render accidental discharge impossible—a perfectly safe arm for house or pocket. Do not be deceived by **Imitations**; the genuine SMITH & WESSON Revolvers are stamped upon the barrels with firm name, address and dates of patents. They are **guaranteed** perfect in every detail. If dealers cannot supply you, orders sent direct to address above will receive prompt attention. Catalogue and prices furnished upon application.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE HAZARD POWDER CO., HAZARDVILLE, CONN., U. S. A.

MANUFACTURERS OF

GUNPOWDER.

Regular and Special Brands of our make can be procured through merchants in New York and other prominent cities in the United States.

All important Rifle, Shot-Gun, and Pistol Matches won by American representatives in this country and abroad were with HAZARD'S POWDER.

HAZARD'S POWDER. The best for Plantation, Field, Wood, or Water Shooting.

SPECIAL POWDERS for Army and Navy use. Always specify whether wanted for actual military service or merely for salutes.

"KENTUCKY RIFLE." Same quality as used by the United States Government and throughout the United States it is the popular powder with Sportsmen for general use.

"DUCK SHOOTING." Better in quality and price. Chiefly used by experts with fine guns.

"TRAP." For shooting live or clay pigeons at short range.

"ELECTRIC." Too expensive and quick burning for other than special match prize shooting.

N. B.—The finer grains are best adapted for small bore or short barrel guns, and the larger grains to long barrels, large bores and breech loaders, both RIFLE and SHOT-GUNS.

INDIAN RIFLE GUNPOWDER

is a special brand, prepared only by the Hazard Powder Company, for South America and other foreign countries. It is the popular EXPORT powder of to-day. While not high in price, it is as carefully prepared and packed as the most expensive brands.

MINING AND BLASTING powder as made by the Hazard Powder Co., is preferred

BY MINERS' because it makes less smoke than other brands.

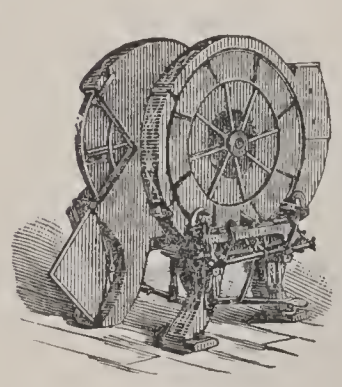
BY QUARRYMEN, because the fine grains break stone into small pieces, while the coarse powder splits the rock, leaving large blocks for building purposes.

BY CONTRACTORS AND ROAD BUILDERS, because being made of selected and refined material, it will stand more exposure.

BY ALL CONSUMERS, because, being stronger, it requires less to do the work.

When ordering be sure to specify HAZARD'S powder. It never varies in strength or cleanness, and its price is as low as corresponding brands of reputable makers.

E. & B. HOLMES, 50 CHICAGO ST., BUFFALO, N. Y., U. S. A.



Jointer.

Manufacturers of

BARREL, KEG, CASK

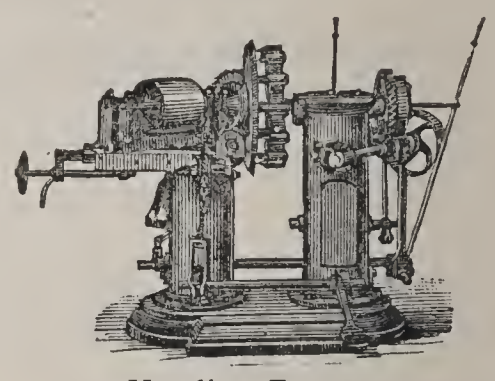
AND

HOGSHEAD MACHINERY,

ALSO

Wood-Working Machinery for Planing Mills, Etc.

Send for Catalogue and Prices.



Heading Turner.

When ordering through Agent send duplicate order to us.

O. A. MILLER, BROCKTON, MASS.

Manufacturer of

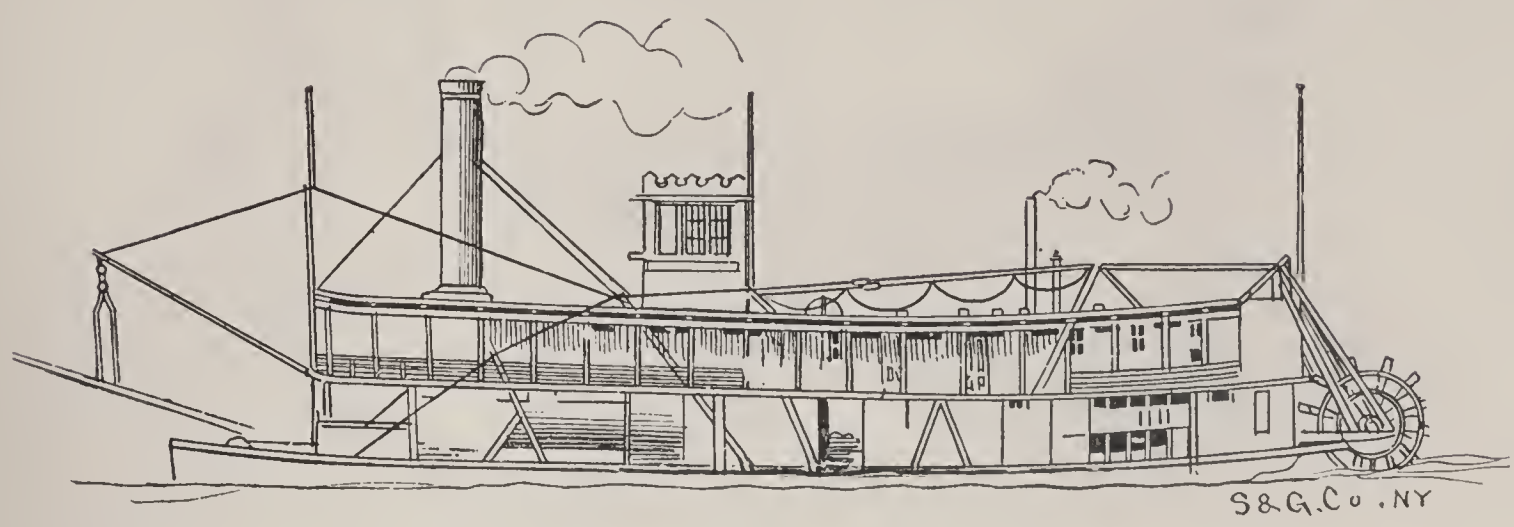
BOOT AND SHOE TREES.

SHOES TO BE SALEABLE SHOULD BE TREED.

The object of this Tree is to restore to the shoe the form and style of the last, and, also, by rubbing and dressing, give the leather a fine finish and be attractive in appearance.

Price, complete, $55.00.

A. J. Sweeney & Son, Wheeling, W. Va.



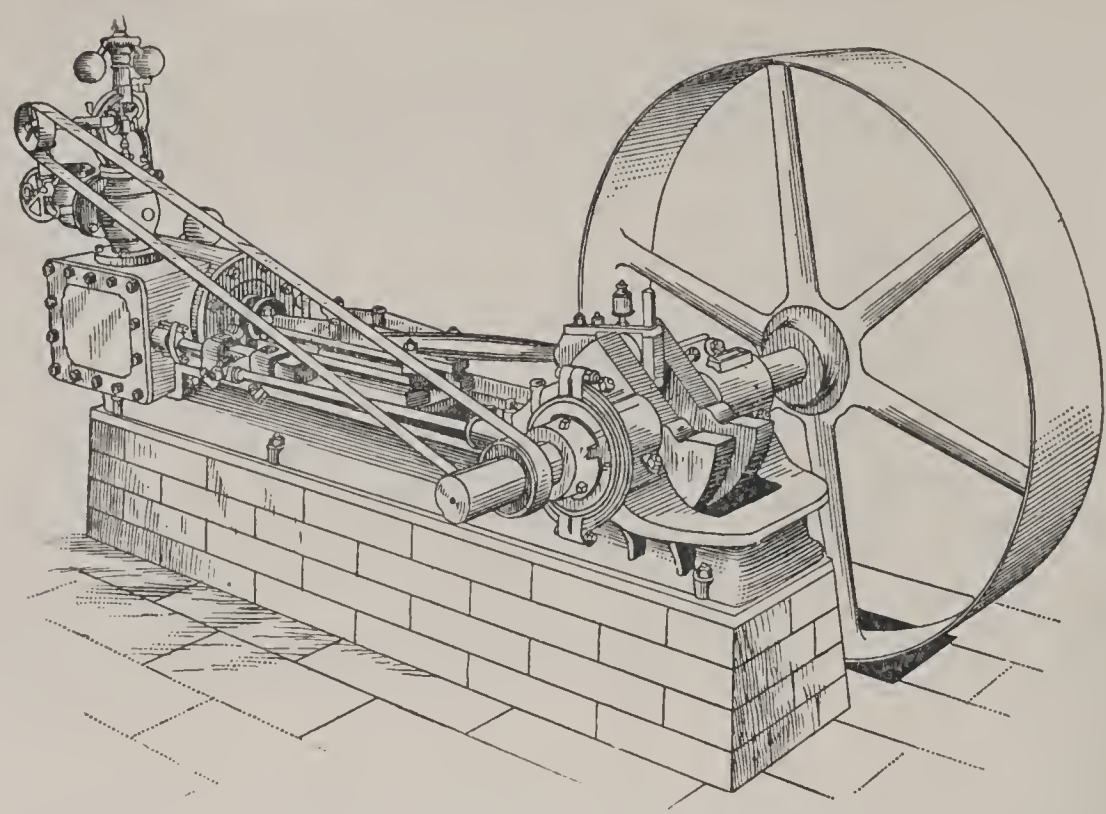
BUILDERS of Steamboats, Hulls either of wood or composite construction. Complete plants for Blast Furnaces, Sheet, Bar and Nail Plate Rolling Mills, Cut and Wire Nail Factories with complete equipment. Complete machinery for the manufacture of Plate Glass. Iron House Fronts and Architectural Iron Work. Special Machinery designed to specification. Castings of all kinds. Boilers to fill U. S. Government requirements. Sheet Iron work.

We are the originators of composite boat construction for Western Rivers. This form combines elasticity, strength, light draught and durability to a degree not approached by any other method. We guarantee light, speedy craft with minimum fuel consumption. Our wire nail machines are unique and make an output of one-hundred per cent. more than other machines.

We build only high-class boilers, every boiler built, either for marine or land use, will pass the most rigid requirements of the U. S. Government. High standard work is our aim, and at as reasonable figures as is consistent with such work.

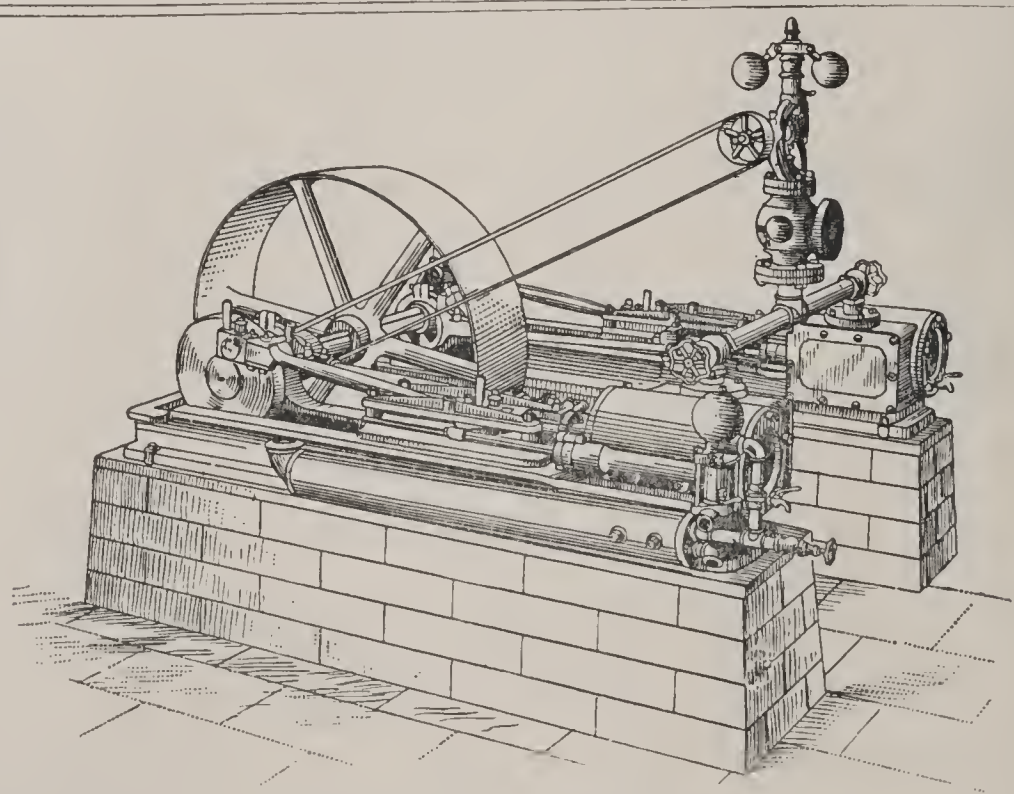
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.



CENTRE-CRANK ENGINE.

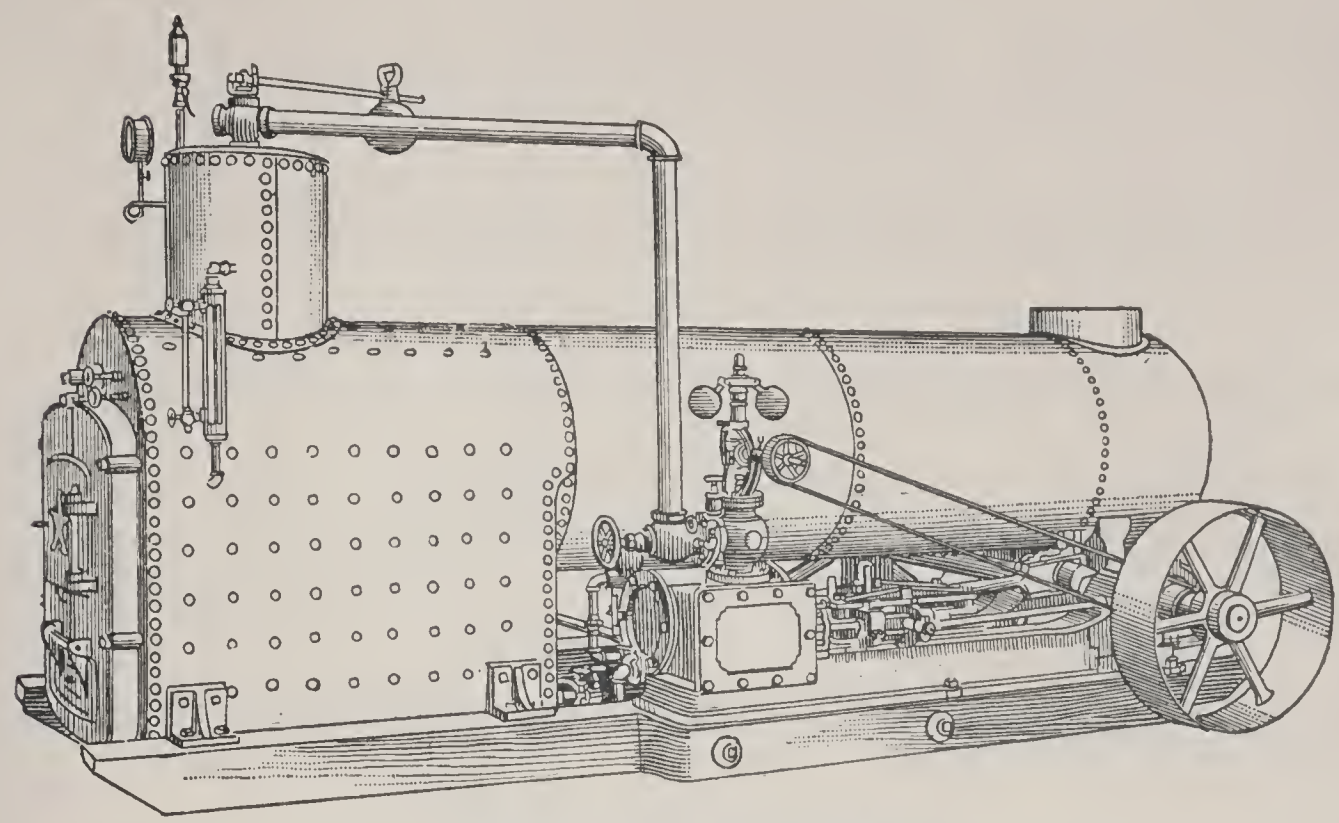
HORSE POWER	10	12	15	20	25	30	35	40	50
Diameter Cyl. & Length Stroke	7 x 10	8 x 10	8 x 12	9 x 12	10 x 12	10 x 15	11 x 15	12 x 16	13 x 16
Usual Number of Revolutions	180	180	150	150	150	135	135	125	130
Diameter of Pulleys ..... inches.	20 & 44	20 & 44	30 & 48	32 & 54	32 & 54	36 & 60	36 & 60	36 & 72	36 & 72
Face of Pulleys ..... "	10½ & 10½	10½ & 10½	8½ & 12½	8½ & 12½	8½ & 12½	10½ & 14½	10½ & 14½	10½ & 14½	10½ & 14½
Diameter of Shaft ..... "	2 7/8	2 7/8	3	3 3/8	3 5/8	3 7/8	4 1/8	4 3/8	4 5/8
Length of Shaft ..... "	48	48	49	53	54	61	61	63	63
Length of Journals ..... "	6	6	7	8	8	9	9	11	11
Diameter of Steam Pipe. . "	1½	1½	2	2	2½	2½	2½	3	3
Diameter of Exhaust Pipe. "	2½	2½	2½	3	3	3½	3½	4	4
Diameter of Water Pipe... "	¾	¾	¾	1	1	1	1	1¼	1¼
Shipping Weight ..... lbs.	1,410	1,525	1,855	2,325	2,725	3,350	3,500	4,875	5,110



DOUBLE ENGINE.

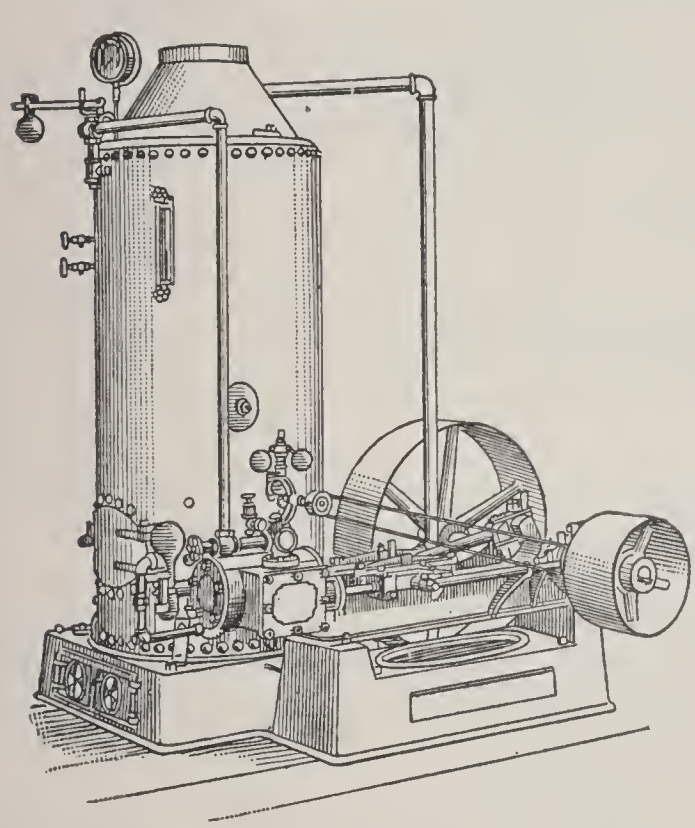
HORSE POWER	30	40	50	60	70	80	100
Diameter of Cylinders and Length of Stroke. inches.	8 x 12	9 x 12	10 x 12	10 x 15	11 x 15	12 x 16	13 x 16
Usual Number of Revolutions	150	150	150	135	135	125	130
Diameter of Band Wheel ..... inches.	60	60	60	72	72	84	84
Face of Band Wheel ..... "	14½	14½	14½	14½	14½	16½	16½
Diameter of Shaft ..... "	3 3/8	3 7/8	4 1/8	4 3/8	4 5/8	4 7/8	5 3/8
Diameter of Steam Pipe ..... "	2¼	3	3	3½	3½	4	4
Diameter of Exhaust Pipe (for each Engine) "	2½	3	3	3½	3½	4	4
Diameter of Water Pipe. ..... "	¾	1	1	1	1	1¼	1¼
Shipping Weight ..... lbs.	4,500	5,800	7,000	9,000	9,500	11,450	12,000

The Seeger & Guernsey Co., New York.



SEMI-PORTABLE ENGINE.

Horse Power	15	20	25	30	35	40	50
Diam. Cylinder & Length Stroke....in.	8 x 12	9 & 12	10 x 12	10 x 15	11 x 15	12 x 16	13 x 16
Usual No. of Revolutions	150	150	150	135	135	125	130
Diam. of Pulleys ....in.	30 & 48	32 & 54	32 & 54	36 & 60	36 & 60	36 & 72	36 & 72
Face of Pulleys .... "	8½ & 12½	8½ & 12½	8½ & 12½	10½ & 14½	10½ & 14½	10½ & 14½	10½ & 14½
Diam. of Boiler .... "	32	34	36	36	40	40	40
Length of Furnace .... "	44	52	52	52	52	60	60
Height of Furnace .... "	38	38	40	40	44	44	44
Width of Furnace .... "	26	28	30	30	34	34	34
No. of 3-inch Tubes	26	30	34	34	40	42	42
Length of Tubes ....in.	78	90	96	102	102	120	144
Diam. of Stack .... "	15	16	18	18	20	20	20
Length of Stack ....feet	20	24	24	30	35	35	40
Shipping Weight....lbs.	6,700	7,700	9,700	10,500	12,000	15,000	16,000



DETACHED ENGINE & VERTICAL BOILER.

Horse Power	6	8	10	12
Diam. Cylinder & Length Stroke....in.	5 x 8	6 x 9	7 x 10	8 x 10
Diam. of Boiler .... "	30	30	30	36
Diam. of Furnace .... "	25	25	25	31
Height of Furnace .... "	27	27	27	27
Length of 2-inch Tubes, "	30	39	45	45
No. of 2-inch Tubes	49	51	53	68
Size Feed Pipe....in.	¾	¾	¾	¾
Size Blow-off .... "	1	1	1	1¼
Size Safety Valve .... "	1	1¼	1½	1½
Height over all .... "	78	94	96	98
Floor Space required.... "	52 x 60	52 x 68	52 x 68	60 x 76
Shipping Weight....lbs.	2,500	2,700	3,200	4,100

Same Outfit furnished also in 15 and 20 Horse Power.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

ELLIS THAYER, NO. 113 EXCHANGE ST., PAWTUCKET, R. I.

BRUSH MANUFACTURER

AND

Wholesale Dealer in All Kinds of Brushes.

Manufacturing Jewelers' and Machine Brushes a Specialty.

Telephone connections.

CHAS. S. BAKER & CO., 40 DEARBORN ST., CHICAGO, ILLS.

Manufacturing Pharmacists and Chemists.

SUCCESSORS TO

CHAPMAN, GREEN & CO.

T. J. STEWART & CO., BANGOR, ME.

Sales Agents, Factors, Commission Merchants, Ship and Insurance Brokers.

Lumber, Spool-Bars, Orange, Lemon, Raisin and Onion Box Shooks for Export.

Cement Barrel Staves and Heads. Excelsior, Coarse and Fine. Packing Cases. Shooks for Oil Cases, Fish, Soap, Spice, Confectionery **and other Boxes.**

Ice Packed for any Voyage a Specialty.

Penobscot River and Pond Ice. Summer and Winter Shipments. Importers of **Turks** Island Salt by the cargo. Same delivered at any port in the United States to order.

PARTRICK & CARTER CO., 125 S. SECOND STREET, PHILA., PA.

FRANKLIN S. CARTER. CHARLES M. WILKINS. E. WARD WILKINS.

TRADING AS

PARTRICK & CARTER CO.,

Manufacturers and Dealers in all kinds of **ELECTRICAL SUPPLIES.**

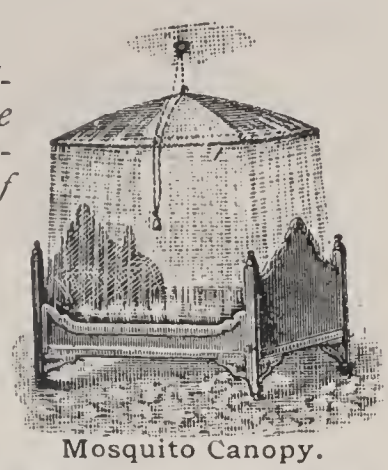
ESTABLISHED 1867. Catalogues forwarded to any Address upon receipt of application with business card.

I. E. PALMER, MIDDLETOWN, CONN., U. S. A.

Hammocks.

NOTICE.

Manufacturers and Dealers in imitations of these goods, are liable to damages for infringement of patents.

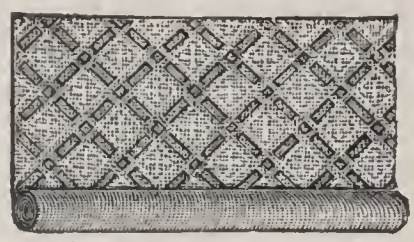


Mosquito Canopy.

MANUFACTURER OF

COTTON TISSUES, HAMMOCKS.

Crinoline Linings, Mosquito Netting, Window Screen Cloth. Canopies and Canopy Fixtures, School Bags. Self-Adjusting Pulleys, &c., &c.



Window Screen Cloth.

OSSAWAN MILLS CO., NORWICH, CONN.

ESTABLISHED 1859.

Manufacturers of the best quality of Picture Cords, Picture Wire, Sash Cords, Shade Cords, Chalk Lines, Clothes Lines, Venetian Blind Cord, Picture Hooks, Picture Knobs, Picture Nails, Bright Wire Goods, Spool Wire, Artificial Flower Wire, Magnet Wire, Etc.

SPECIALTIES.

Solid Braided Cords, Clothes Lines, Picture Cords, Shade Cords, Copper Brush Trimmers, Dish Drainers, Patent Safety Ties or Cleats for all purposes.

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C. G. Braxmar, 47 Cortlandt St., New York.

Charms, Pins, Presentation Jewels, Ribbon Badges, Buttons, Embroidery Ornaments, etc., in endless variety.

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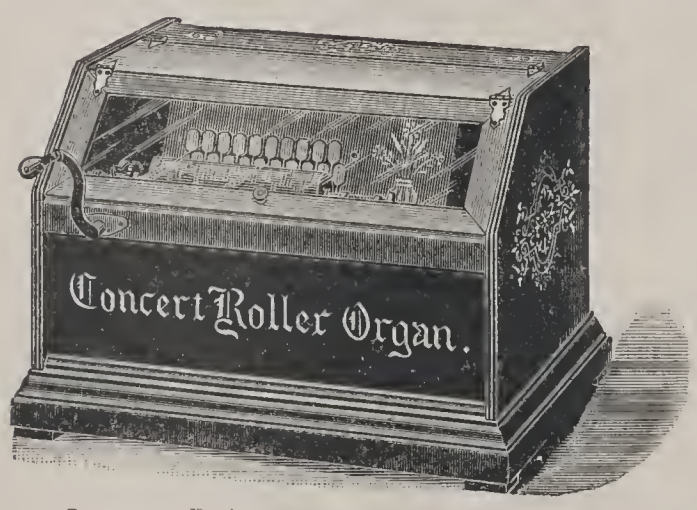
The Autophone Co., Ithaca, N. Y.

A PERFECT MUSICAL INSTRUMENT.

Playing 500 Tunes.

BEAUTIFUL IN APPEARANCE, SIMPLE AND STRONG IN CONSTRUCTION.



Concert Roller Organ. Price $12.00 with five rollers.

This musical marvel *employs no paper*; but its music is obtained from a *roller*, furnished with pins similar to those of a music box. The pins operate on valve keys, made of hard steel, the roller being driven by a suitable spring, which also works the bellows.

The case is strongly made of solid black walnut, and is elegantly finished, forming a handsome parlor ornament.

Send for Catalogue and Description Circular to

THE AUTOPHONE COMPANY, ITHACA, NEW YORK.

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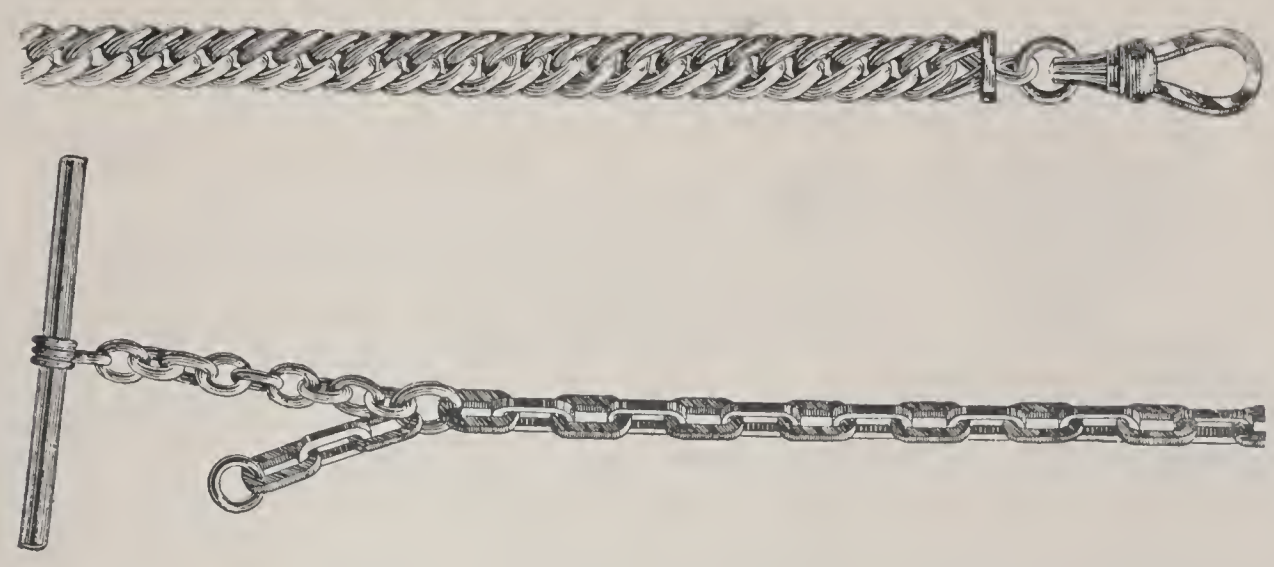

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GOLD FILLED CHAINS

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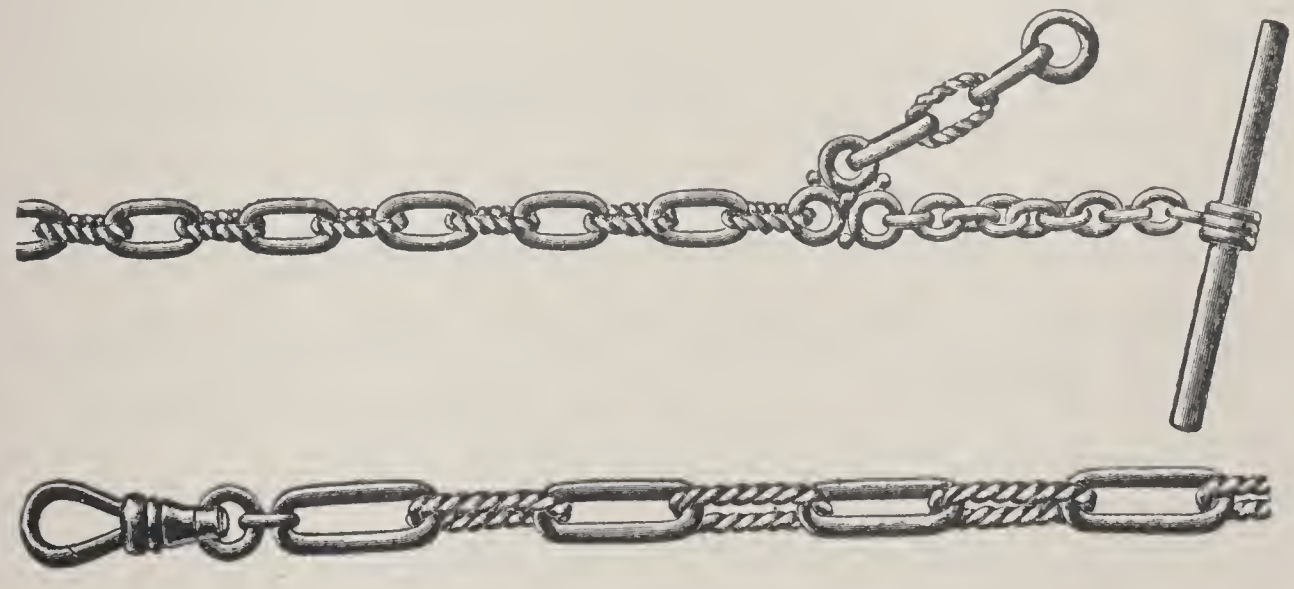
The "SEAMLESS" chains are being used by the leading jewelers of the United States with great success. We recommend them to all who want a first class article.



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S. F. Myers & Co., SALES-ROOMS 48 & 50 MAIDEN LANE, 33 & 35 LIBERTY ST., N. Y.

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TRADE THE GLOBE MARK.

ESTABLISHED 1863.

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SOLE AGENTS FOR

THE GLOBE WATCH CASE CO.,
Gold and Gold Filled Cases.

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Low Price American Watches.

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Silver-plated Flat-ware.

THE NATIONAL GLOBE CLOCK CO.,
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"Gold Medal" Files and Rasps.

THE GLOBE JEWELRY CO.,
Rolled Gold Plate Jewelry.

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Fine Gold Jewelry.

THE SCREW MOTOR CLOCK COMPANY.

OUR SPECIALTIES

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REGISTERED TRADE MARKS.

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"GOLD MEDAL."

"CROWN AND CRESCENT."

We make a Specialty of everything that pertains to the line.

ORDERS SOLICITED THROUGH ESTABLISHED COMMISSION HOUSES.

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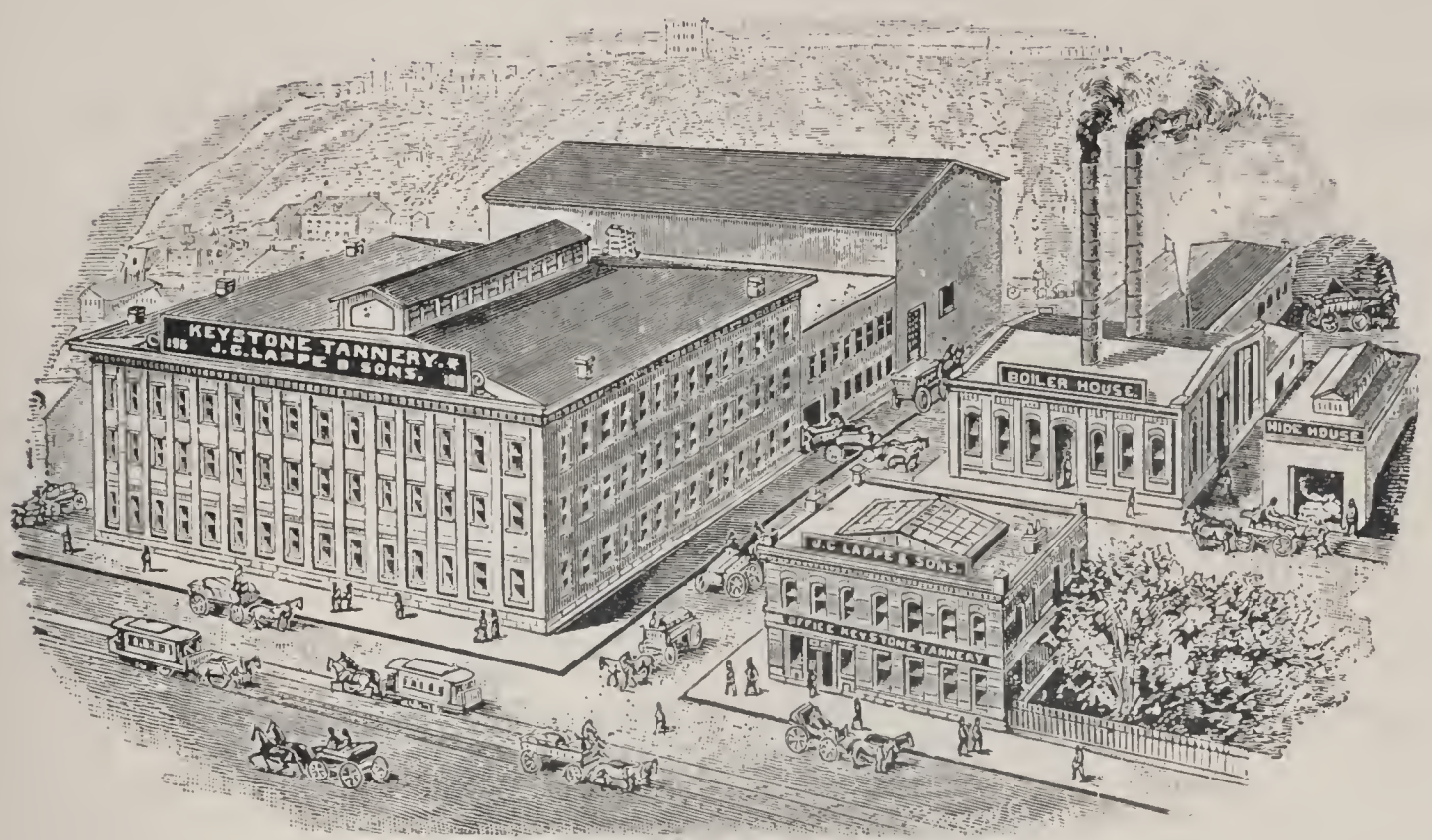

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OAK SOLE

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SCOURED BACKS, UNION BACKS and BELLIES.

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ESTABLISHED 1840.

FRANKLIN TANNERY. AMERICAN TANNERY.

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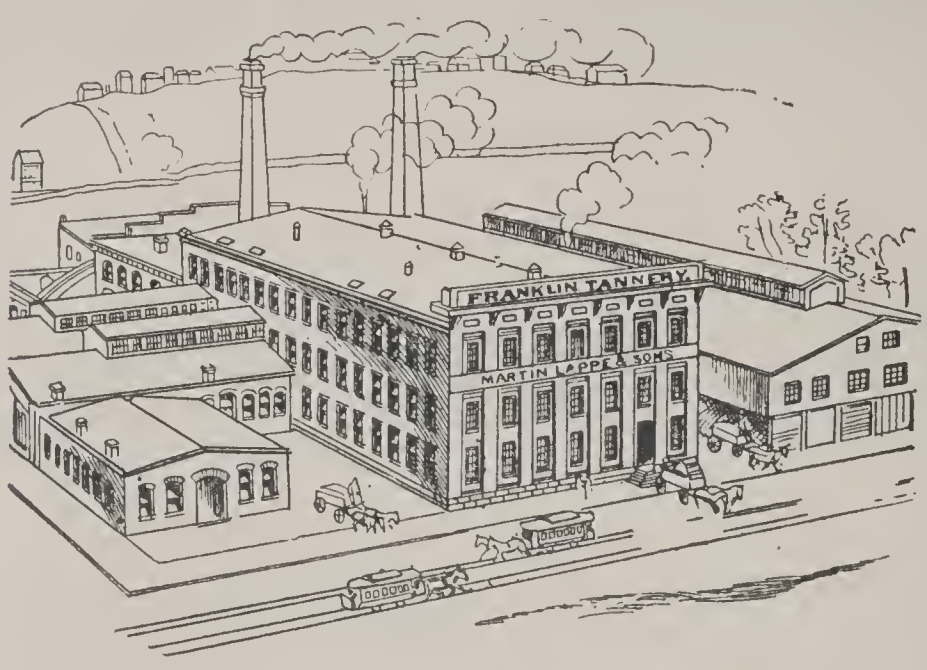
Oak Tanned Leathers, Harness, all weights and selection, Trace for Single Strap Harness, Stag Harness, Black Line, Fair Line, Harness Backs, Trace Backs, Finished Bellies, Fair and Black Collar Leather, Belting Butts, Rough Splits, etc.

ALL LEADING JOBBERS ARE SELLING ABOVE BRANDS OF LEATHER.

Address all mail to Pittsburg, Pa., U. S. A.



EVERY SIDE HAS THIS BRAND.

CAPACITY 124,800 SIDES PER ANNUM.

THE WILMOT & HOBBS M'F'G CO., BRIDGEPORT, CONN., U. S. A.

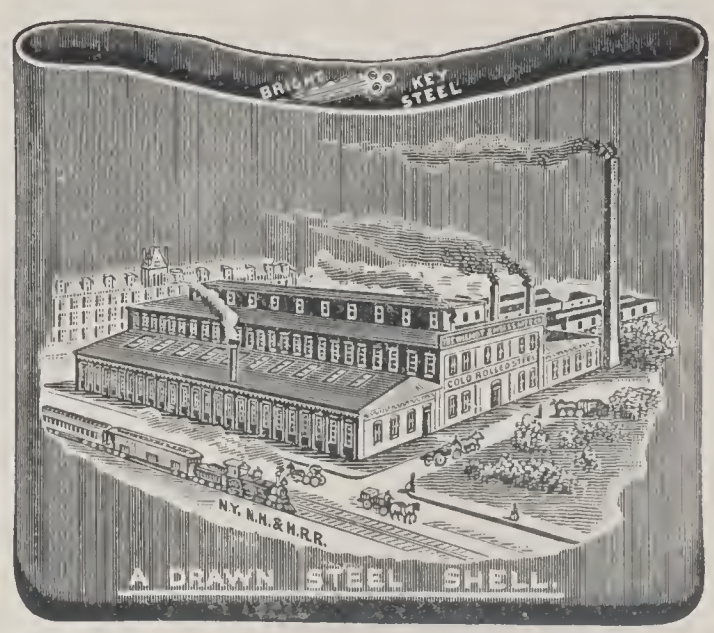
MANUFACTURERS OF ALL GRADES

COLD ROLLED STRIP STEEL.

Smooth, Bright Surface and even Gauge.

For Keys, Parts of Sewing Machines, etc., where a good surface for plating is required.

In widths of 12 inches and under, cut to lengths or in coils of 100 to 300 feet.



A large stock of partly prepared Steel always on hand from which to fill orders promptly.

ALSO ANNEALED AND CLEANED, COLD ROLLED STEEL, but of good surface, and admitted by all to be the **STANDARD OF QUALITY** for Blanking, Stamping, Cupping, and Drawing Purposes.

Light and Heavy Press, Drop and Draw Bench Work, etc., to order, in Steel, Brass and Copper. **Goods Brass or Nickel Plated, Tinned or Japanned.**

HEATH & MILLIGAN M'F'G CO., 170 to 174 RANDOLPH ST., CHICAGO, U. S. A.

THE ORIGINATORS OF A PAINT EXCLUSIVELY FOR FLOORS.

HAVE YOU A FLOOR?

If so, are you going to Paint it?

When you do be sure to call for

HEATH & MILLIGAN M'F'G CO'S CREOLITE,

THE NEW SUBSTANCE FOR FLOOR PAINTING; THE BEST ON THE MARKET.

Dries bone-hard over night, free from tack. Very durable. Heavy body, taking but two coats in place of four, as recommended by most manufacturers of floor paint.

Look at the saving in time and money by using **CREOLITE** *in preference to such material.*

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675 Degrees Fire Test.

MASTER MECHANICS, Purchasing Agents, Engineers and Practical Builders of costly steam plants and Locomotives, etc., will be pleased to know that a Lubricant is now produced of such extra ordinary high fire test as to make it proof against the great heat to which it is subjected, and is therefore a PERFECT lubricator where products of lower grade and fire tests pass off at once, leaving the parts subject to wear, or greatly increasing the consumption of oil.

"**Valve-Oleine**" is a product in the highest state of filtration, is of the greatest viscosity, is entirely free from all acids and absolutely non-corrosive, and without doubt the finest and most thoroughly reliable **Cylinder Lubricant** now on the market, and will naturally lubricate 200 to 300 per cent. more than products of lower tests. ☞ Is not only the **best** but the most **economical** lubricant.

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Send for FULL PARTICULARS and our new catalogue of large line of products. SAMPLES ARE FREE.

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Manufacturers of all Grades of

LUBRICATING OILS

—AND—

Special Commercial Castor Oil.

(Trade Mark.)

A substitute for pure Castor Oil for all lubricating purposes.

Pagola Gelatine, White Gelatine, Castor Machine Oils, Dynamo Engine Oil, Marvoline Cylinder Oil, Lard Oils, Black Oils.

Correspondence solicited. Goods the best, prices the lowest.

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BEESWAX.

W. H. B. PURE REFINED.

In 2 lb. cakes, in cases of about 130 lbs.
In 1 " " " " 130 "
In ½" " " " 110 "
In ¼" " " " 110 "
In oz. " in 2 lb. parcels in cases of 54 lbs.

W. H. B. PURE WHITE BEESWAX.

In round cakes, in 2 lb. parcels, or in oblong cakes, loose } in cases
In oz. cakes, in 2 lb. parcels..... .... } of 54 &
Plain blocks of 7½ lbs. in cases of 250 lbs. } 56 lbs.

WHITE WAX.

Plain round cakes in 2 lb. parcels in cases of 72 lbs.

The purity of these goods is certified by the following eminent chemists: S. P. Sharpless, State Assayer, Boston; J. W. Taylor, Associate of the Society of Public Analysis of Eng., Montreal, P. Q.; Edward Davies, F. C. S. and T. I. C. and C., Royal Institution, Liverpool, Eng.; Bernard Dyer, D. Sc., F. C. S. F. I. C., Member of the Society of Public Analysis, 17, Great Tower Street, London, E. C., Eng., Wm. T. Wenzel, Analyist and Assayer, San Francisco, Cal.

Our Goods may be obtained in single case lots from any of the Leading Wholesale Druggists.

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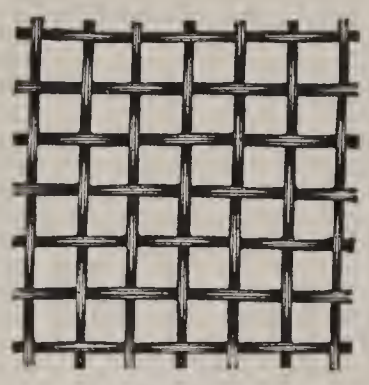
Wright & Colton Wire Cloth Co., WORCESTER, MASS.



6x6 Mesh.

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Power Loom Wire Cloths, and Galvanized Poultry Netting and Fencing,

Fruit Drying Wire Cloth, Hardware, and Sieve Cloth,

LOCOMOTIVE STEEL SPARK NETTING,

AND IMPROVED DOUBLE TWIST-WARP WIRE LATHING.

Crane Brothers, Westfield, Mass.

"Fine Linen"

LEDGER PAPERS.

Our Trade Mark.

If you want a Day Book made to order,
If you want a Journal made to order,
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If you want a Ledger made to order,
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If you want Paper for Type Writers,
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If you want Writing Paper for any purpose,

Ask your Stationer, Printer or Bookbinder for "LINEN" PAPER made by

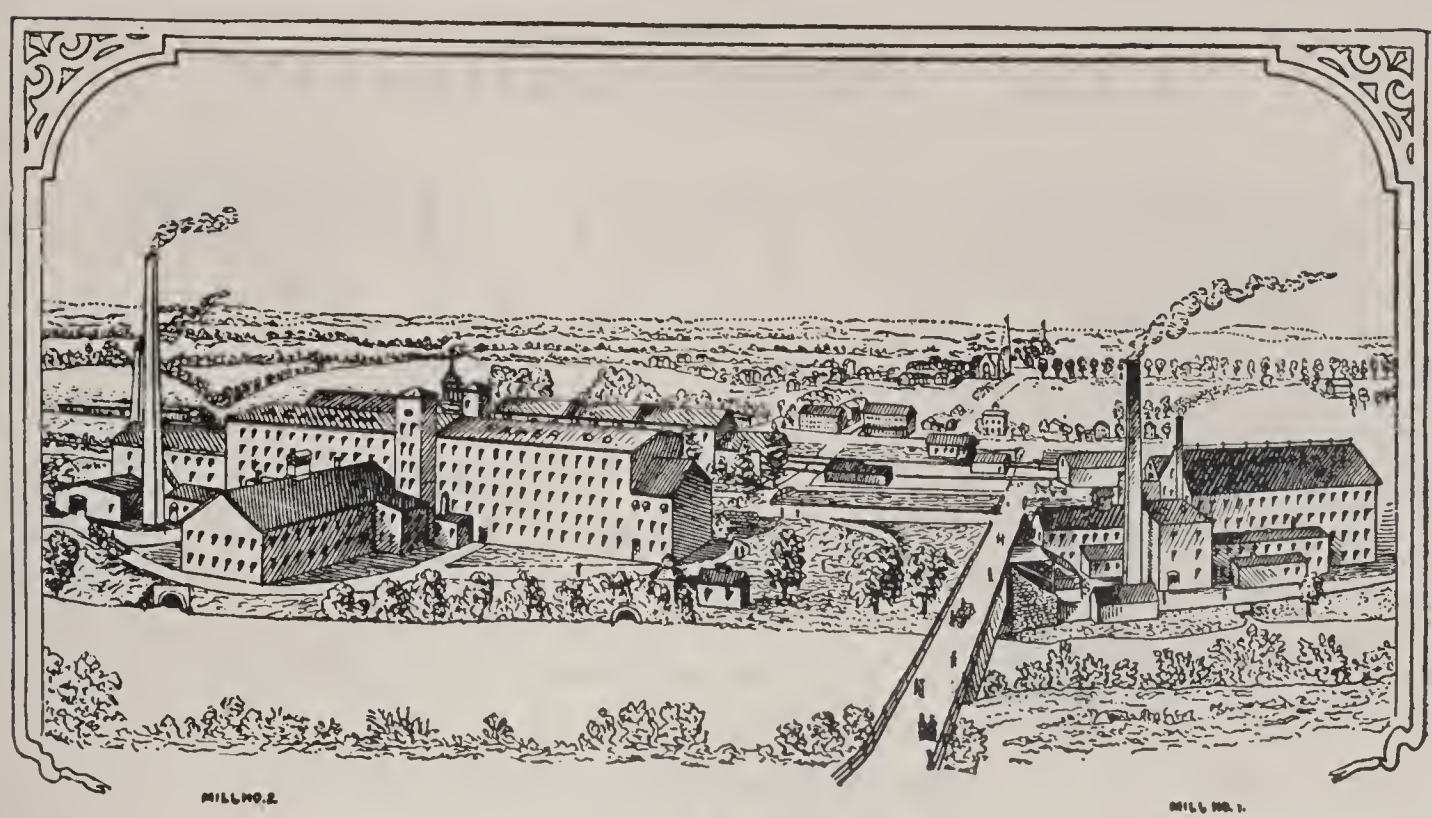
CRANE BROS., WESTFIELD, MASS.,

AND TAKE NO OTHER.

Used By All Stationers, Used By All Bookbinders, Used By All Lithographers.
Used By All Printers, Sold By All Paper Dealers.

It has received Highest Awards at Four World's Fairs, and is recommended by all using it. Our Papers may be known by the Japanese Cranes which are our trade marks, and are in water-mark in each sheet.

Agawam Paper Co., Mittineaque, Mass.



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No. 1 White and Tinted Bristol Boards.
White and Cream Plated 60 and 80 lb. 21 x 33.
Extra Super Laid and Wove Flats.
Three full lines of Typewriter Papers.
Four lines of ¼ Ream Box Papers with Envelopes to match. Also a complete line of Folded Goods.

The above goods are respectfully recommended to the general trade.

B. D. RISING, Treasurer.

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The New Albany

Perforated Paper.

Diamond Brand.

FINEST MANILA TISSUE.

The "Diamond Brand" differs from all other perforated paper, in that the rolls contain **2,000 sheets.** The sheets are Diamond shaped. The connection between them is so slight that they separate as they leave the roll.

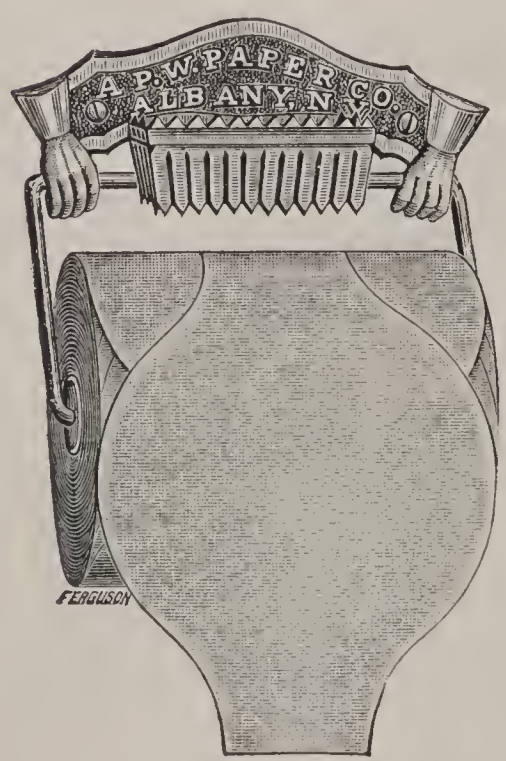
The "Equity" fixture is simple, strong, with no removable parts to be lost or carried away, and has a perfect keyless lock that effectually prevents removal of the roll of paper, otherwise than by single sheets.

This paper has been adopted by the finest hotels opened in New York City the past season, and we are rapidly adding to our list the leading hotels throughout the country

GUARANTEED FULL COUNT.

New Unperforated Roll.

Unique Brand.



of which we are the sole manufacturers, differs from all others in that it is LARGER, UNIFORM IN SIZE, and the wasteful use common to such rolls as heretofore made is prevented, whether used with or without a holder to separate the web into sheets. This of itself makes it an economical roll in use, and we offer it at a LOWER PRICE per one hundred feet than any paper on the market. Uniformity in quality, quantity and price will be rigidly maintained. Five grades will be manufactured at prices from thirty to fifty per cent. less than the lowest price for the ordinary unperforated roll of equal quality.

Diameter of Unique Rolls, 4¼ Inches.

This is by far the CHEAPEST UNPERFORATED PAPER ON THE MARKET, aside from the economical use enforced by its peculiar form. We shall be pleased to forward sample rolls of the five grades on receipt of FIFTY CENTS.

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MILLS AT ADAMS, MASS., U. S. A.

Kept in stock by the leading paper warehouses throughout the United States.

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MANUFACTURERS OF

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SPECIALLY ADAPTED FOR LADIES USE.

"DISTAFF" Trade Mark.

These Goods, which are acknowledged to equal the finest foreign manufactures, are presented in the following styles and qualities, and are matched with Envelopes of high cut pattern.

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In handsome Light Blue Boxes containing one-quarter of a ream of Note Paper each, and bearing in blue letters description of contents.

In separate Boxes of uniform size, are one-eighth of a thousand Envelopes corresponding in tint and quality to the paper.

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All this Stationery may be relied on to be according to representation. It is suited to the tastes of the most select trade.

Sold by all Stationers and Booksellers in the United States.

Trade Mark on every Box

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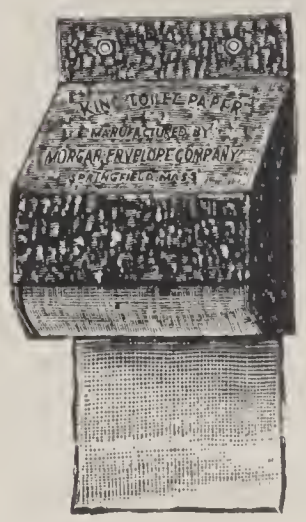

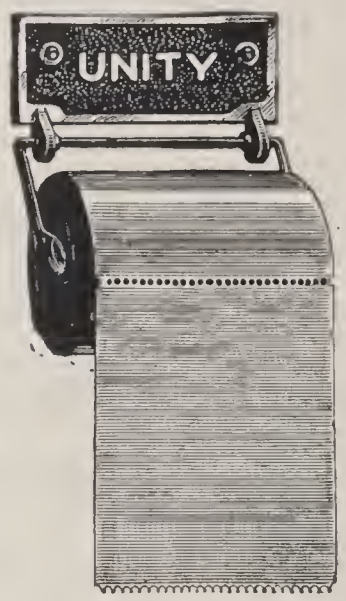

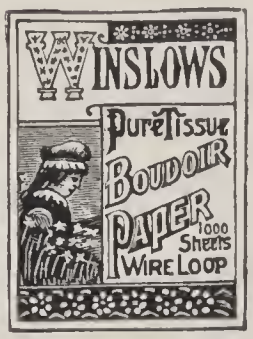

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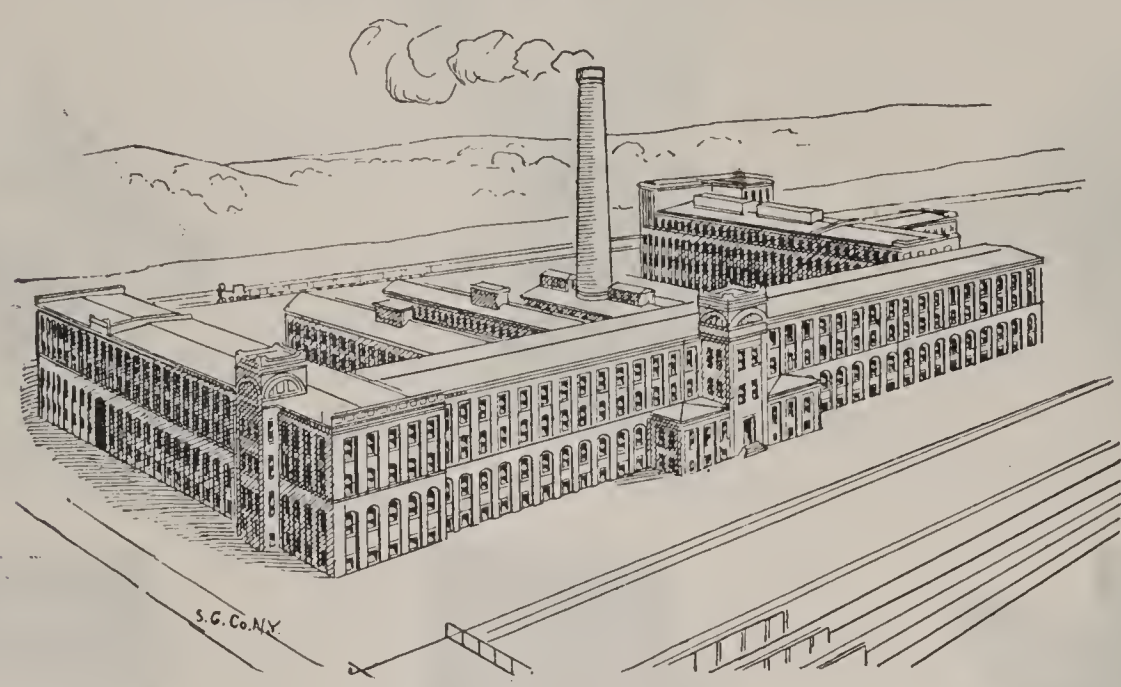
THE SEEGER & GUERNSEY CO., New York.

Parsons Paper Co., Holyoke, Mass., U. S. A.

MANUFACTURERS OF

First-class Bond, Bank-Note and Parchment Papers, also First-class Linen Ledger, White and Colored Writings and Bristol Boards.



This Company was the first to manufacture paper in this city, now known as the centre of the paper industry of the world. From small beginnings the Parsons Paper Company has grown to be one of the largest producers of fine papers, and the quality of its Bond, Bank-Note, Parchment and Linen Ledger Papers, is unsurpassed. It has for the past twenty-five years, furnished a large quantity of paper for the various departments of the United States Government, and has also supplied a considerable amount for foreign governments. With its most ample facilities, it produces a large variety of White and Colored papers, of the very best grades. Send for samples and prices.

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THE SEEGER & GUERNSEY CO., New York.

CRANE & CO., DALTON, MASS., U. S. A.

BOND AND BANK NOTE

Papers,

Of Strictly First-Class Quality.

Makers of Bank Note Paper for United States Government for all of its Currency; also makers of Paper Money for many Foreign Governments.

SAMPLE BOOKS SENT ON REQUEST.

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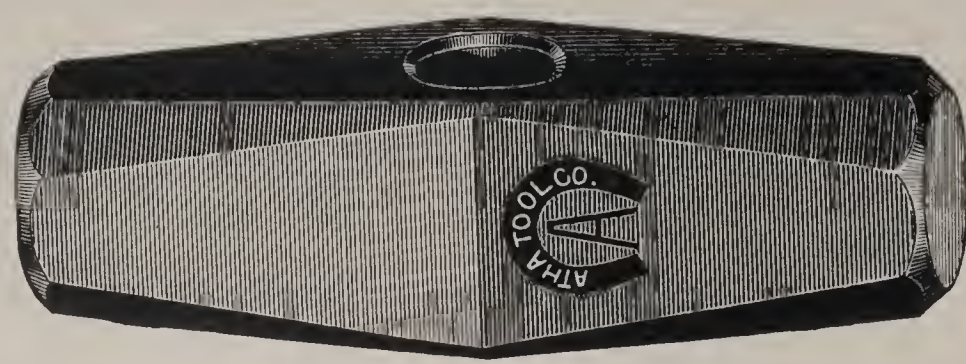
MANUFACTURERS OF



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Clock Work, Movements and Parts, for MANUFACTURERS requiring such mechanism in their articles of manufacture.

MOVEMENTS FOR STEAM GAUGES, PYROMETERS, WATER METERS, GAS METERS, ETC., ETC.

D. S. PLUMB,
Manufacturer of
FINE CLOCK WORK,
AND
INTRICATE MECHANICAL INSTRUMENTS,
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CYCLOMETERS, ODOMETERS, ADDERS, BICYCLE SUNDRIES, REGISTERING MECHANISM.

Articles containing Clock Work or Automatic Mechanism, and small Mechanical Instruments, made in quantity for MANUFACTURERS, GENERAL DEALERS, or OWNERS OF PATENTS.

Byron Weston, Dalton, Mass., U. S. A.

HAS BEEN AWARDED THE

Grand Prize Gold Medal,

AND RECOMMENDED THE

MEDAL OF HONOR AND PERFECTION,

at Paris, 1878, *this being the* highest *and* only award *given for*

Linen Record AND Ledger Paper.

Also, the only Gold Medal given for Ledger Paper at the Adelaide, Australia Exposition, 1881.

A SPECIALTY.

This paper has received the HIGHEST PREMIUM over all others from the *Cincinnati Industrial Exposition*, *Massachusetts Charitable Mechanics Association*, *Franklin Institute* of Philadelphia, Louisville Exposition, Medal and Diploma from *United States Centennial Commission*, *Medal of Progress American Institute*, 1877, *and Medal of Improvement and Progress, Boston*, 1878. Its

PRINCIPAL ADVANTAGES

are as follows:—1. It contains more LINEN than any other Ledger Paper, has a longer fiber, and is, consequently, tougher. 2. Having a harder and better body, and being more thoroughly sized, the ink spreads less after making an erasure. 3. It is more uniform in Weight, Color and Finish 4. It never cockles if properly bound. 5. Its non-chemical action upon ink is such that it both writes and rules up better. For proof of the foregoing, refer to a large number of Stationers, Bookbinders, Bookkeepers and Recorders, who have given it, after a severe test, the preference over all others. This Paper is *Double Sized*, and will stand any climate or the most acid of the fluid inks.

☞**Send for sample sheet,** *erase and re-write four times on same spot. Each Sheet is Water-Marked Byron Weston's Linen Record*, 1891.

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Valley Paper Company, Holyoke, Mass., U. S. A.

We would respectfully ask an examination and trial of our

High-Grade, Loft Dried Linen Papers, "Commercial Bond," "Commercial Linen Ledger," "Commercial Linen," "French Linen," "Old English Linen," "Valley Library Linen," "Congress Linen."

Fines, Superfines, Bristol Boards, &c., all are of *excellent quality*, moderate in price, and especially adapted to the every day needs of the trade.

Sample orders secure us trade.

HENRY E. McELWAIN, Treas.

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Packers and Canners of

Beef, Soups, Extracts, Etc.

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G. & C. MERRIAM & CO., SPRINGFIELD, MASS., U. S. A.

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A Grand Investment for Family or School.

The authentic Webster's Unabridged Dictionary, comprising the issues of 1864, '79, and '84, still copyrighted, is now thoroughly Revised and Enlarged, under the supervision of Noah Porter, D. D., L.L. D., of Yale University, and as a distinguishing title, bears the name

Webster's International Dictionary.

Editorial work on this revision has been in active progress for over ten years, not less than one hundred paid editorial laborers having been engaged upon it, and not less than $300,000 having been expended before the first copy was printed.

WEBSTER'S INTERNATIONAL DICTIONARY

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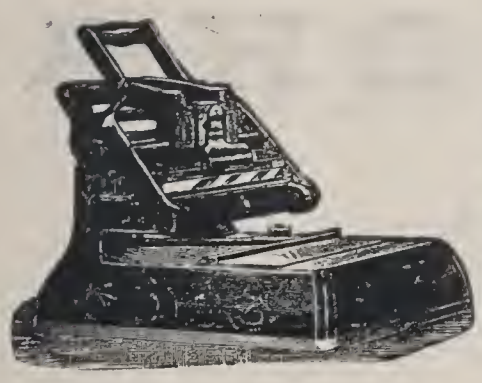

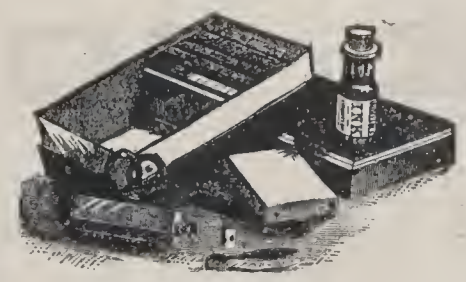

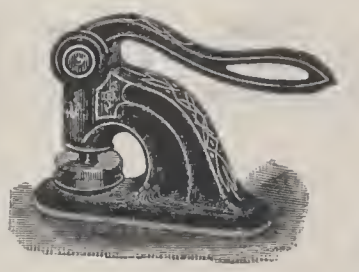

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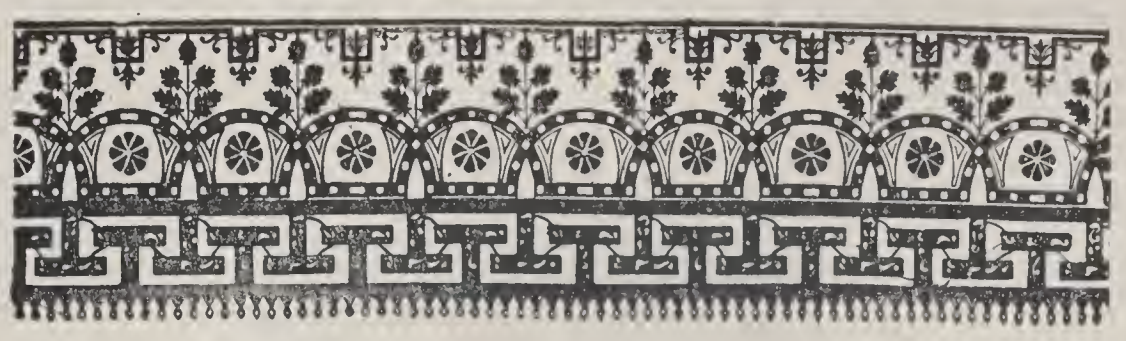

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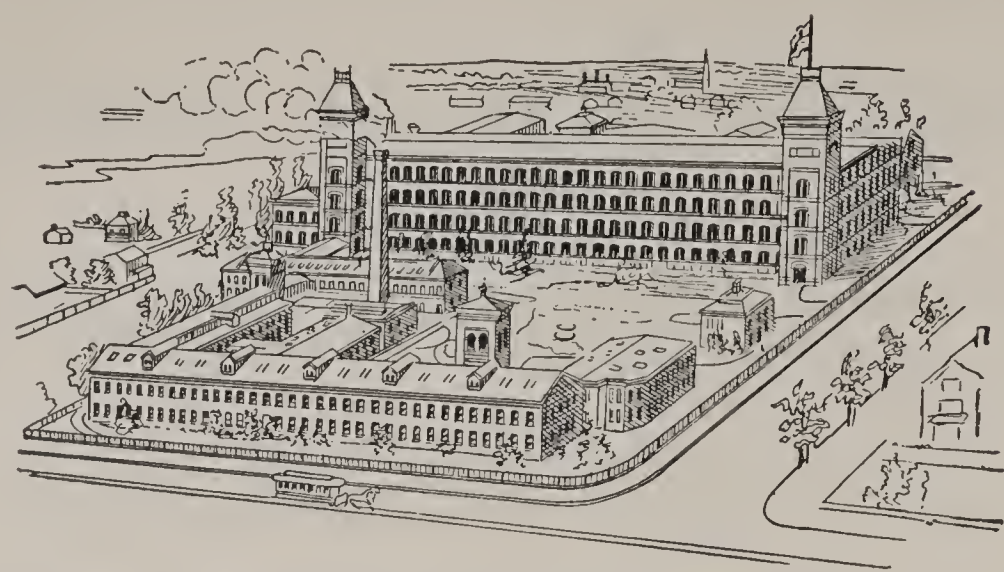

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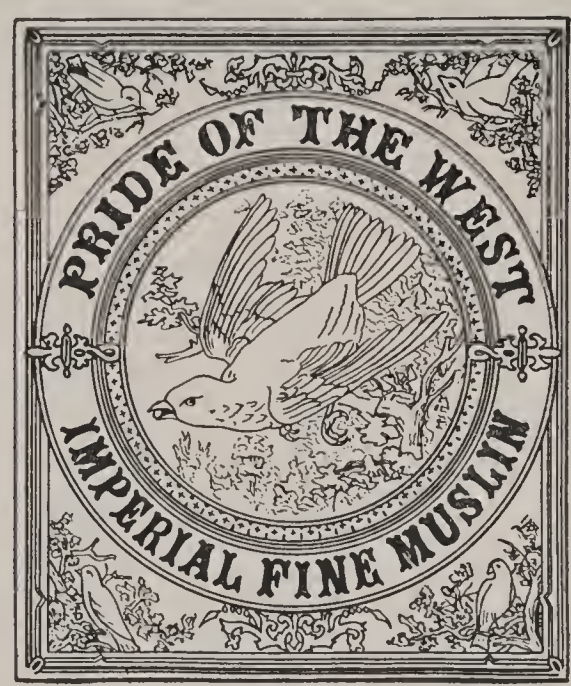

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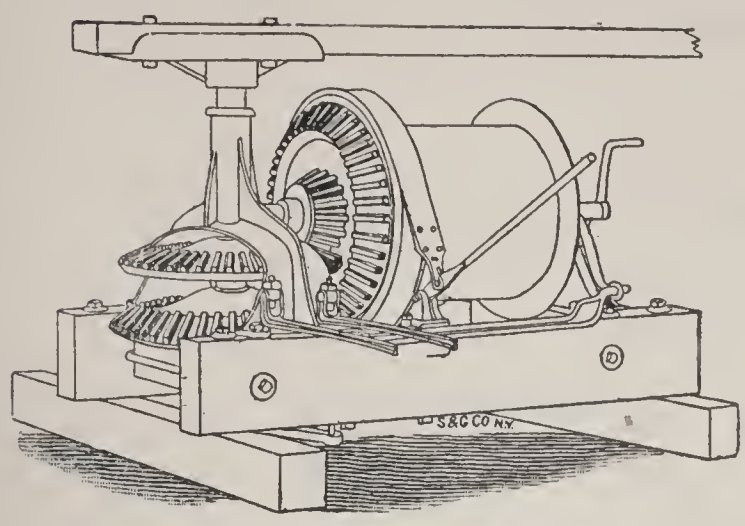

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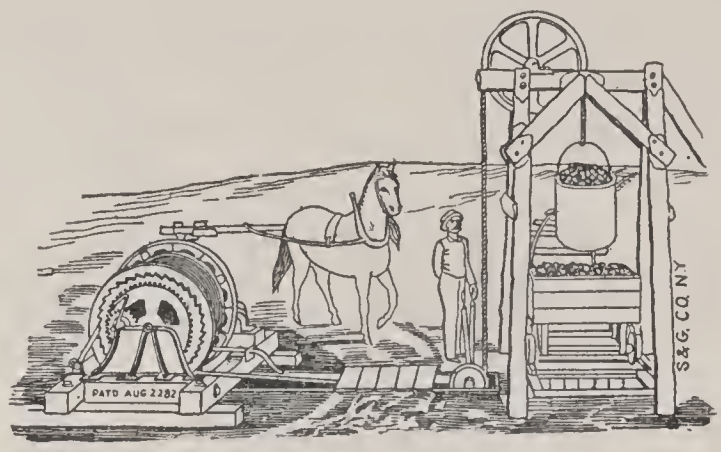

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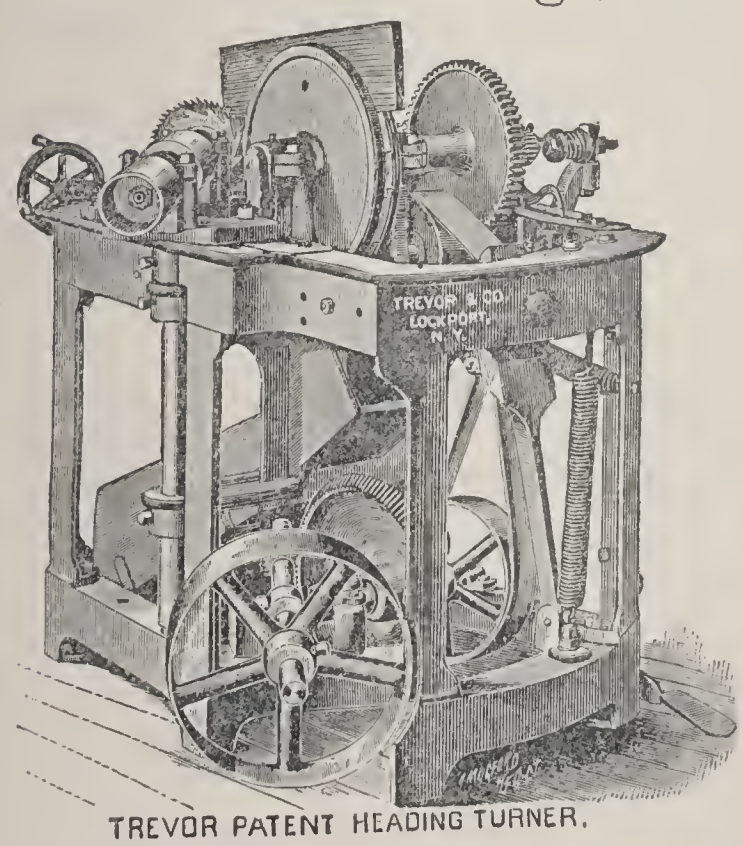

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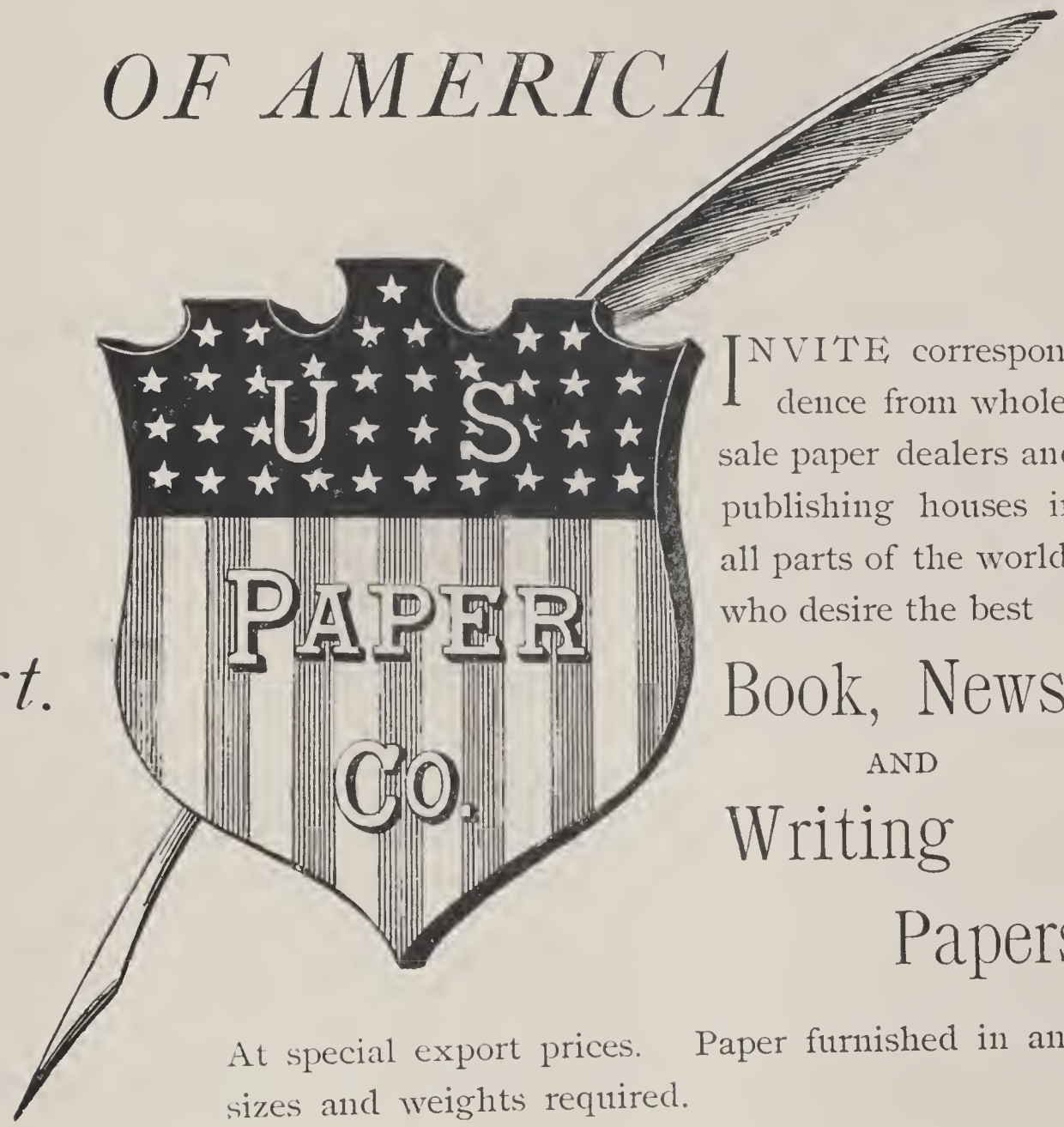

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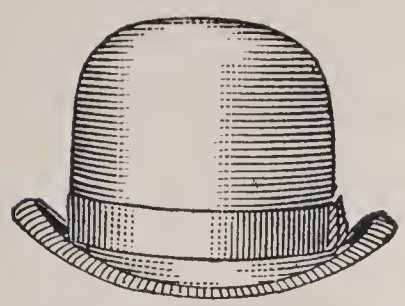

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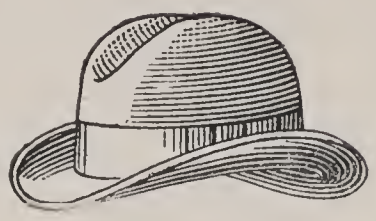

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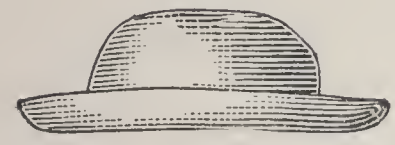

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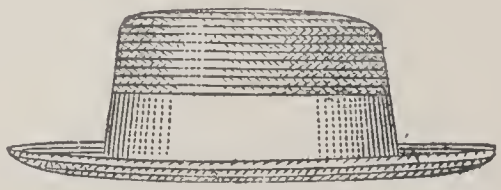

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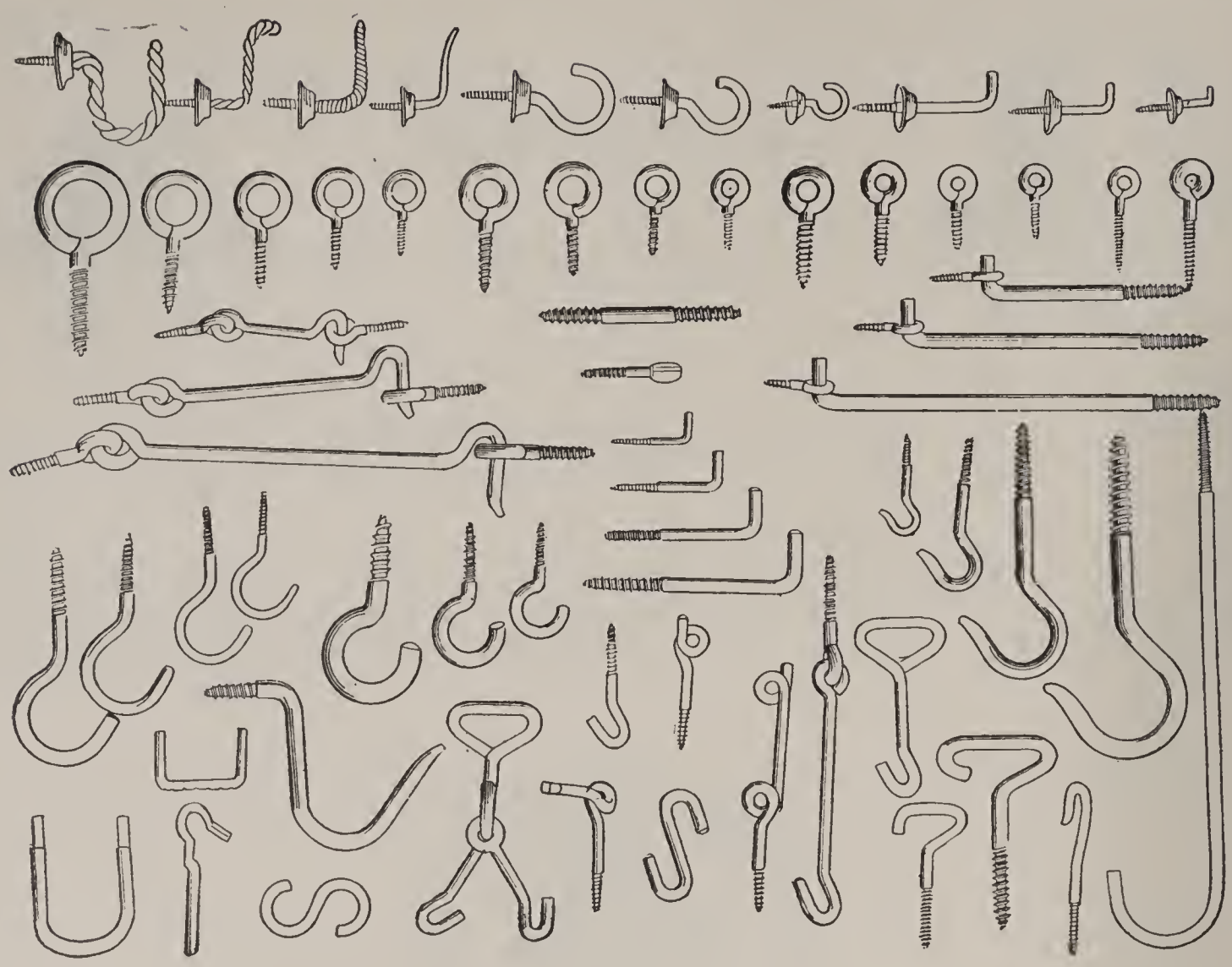

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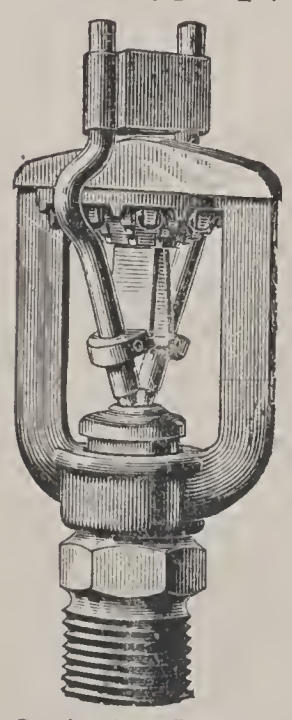

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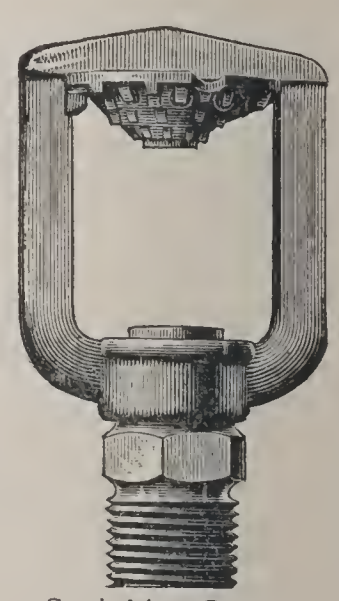

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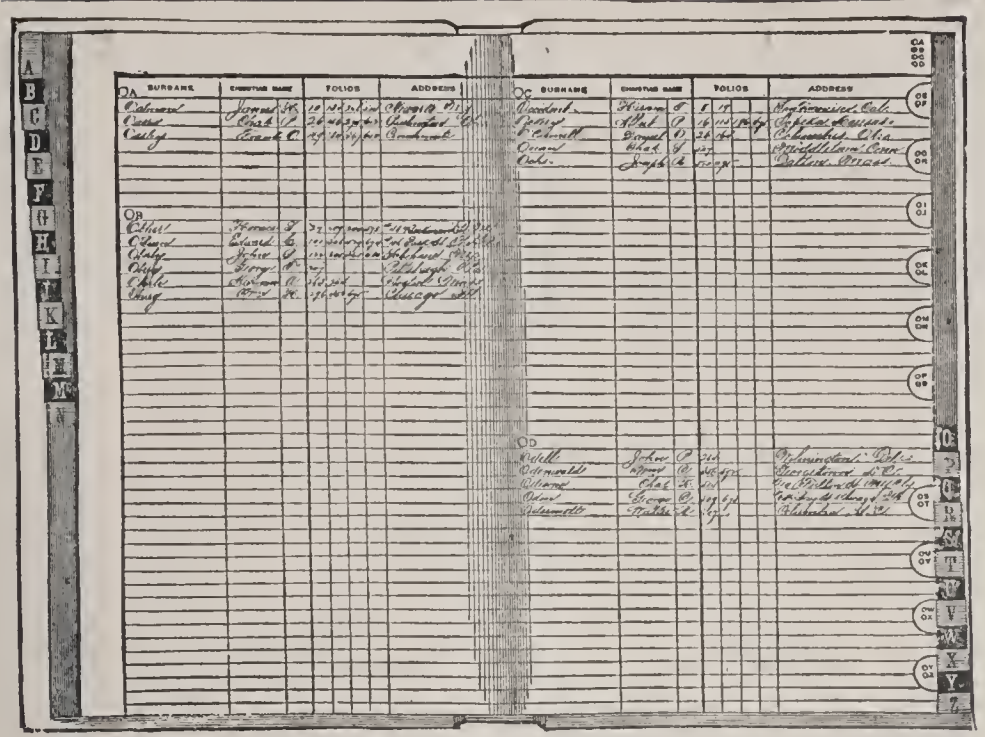
We Manufacture Children's Carriages, Express Wagons, Carts, "Shoo Fly" Rockers, School Desks and Settees.

Catalogues and Prices Furnished on Application.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

The Burr Index Co., Hartford, Conn.



[Patented and Copyrighted.]
The above cut represents Nos. 11, 12, 13, 14, 51 and 52, opened at letter O.

Burr's Patent Combination Index.

For indexing Ledgers, Letter Books, Commercial Reports, Lists of Names, and Records of all kinds. An Index that should be used in every office.

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No.	Size	Capacity for Names	Divided on			Price
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13	8 "x14	2,000 2d	"	"	"	3 00
14	8 "x14	3,000 2d	"	"	"	3 50
12	8 "x14	5,000 2d-3d	"	"	"	4 50
11	8 "x14	6,500 2d-3d	"	"	"	6 00
51	9 "x15	7,500 2d-3d	"	"	"	7 00
49	9 "x15	3,000 2d	"	Double	"	3 00
10	10 "x15	10,000 2d-3d	"	"	"	5 50
16	10 "x15	10,000 2d-3d	"	"	"	5 50
15	10 "x16	7,500 2d-3d	"	"	"	4 50

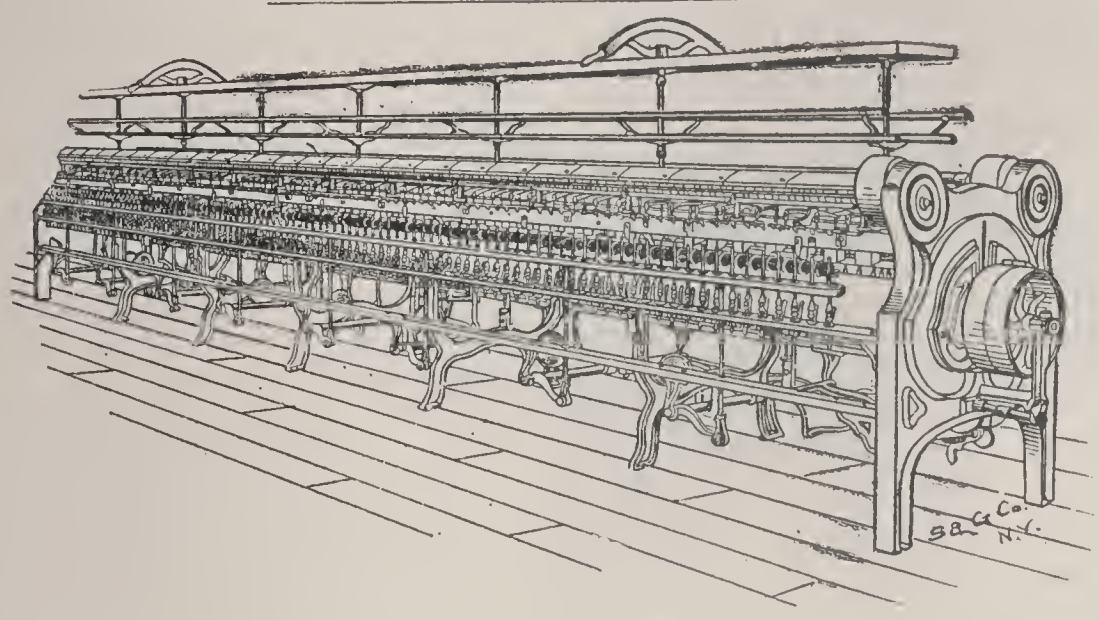
Bound very strong in Slate Colored Duck Cloth, Round Corners, covered with Russia Leather, with a Leather Spring Back.

Numerous other sizes and styles carried in Stock.

All Indexes delivered upon receipt of price.

Illustrated Catalogue mailed upon application.

Fall River Machine Co., Fall River, Mass.



Builders of

Cotton Machinery,

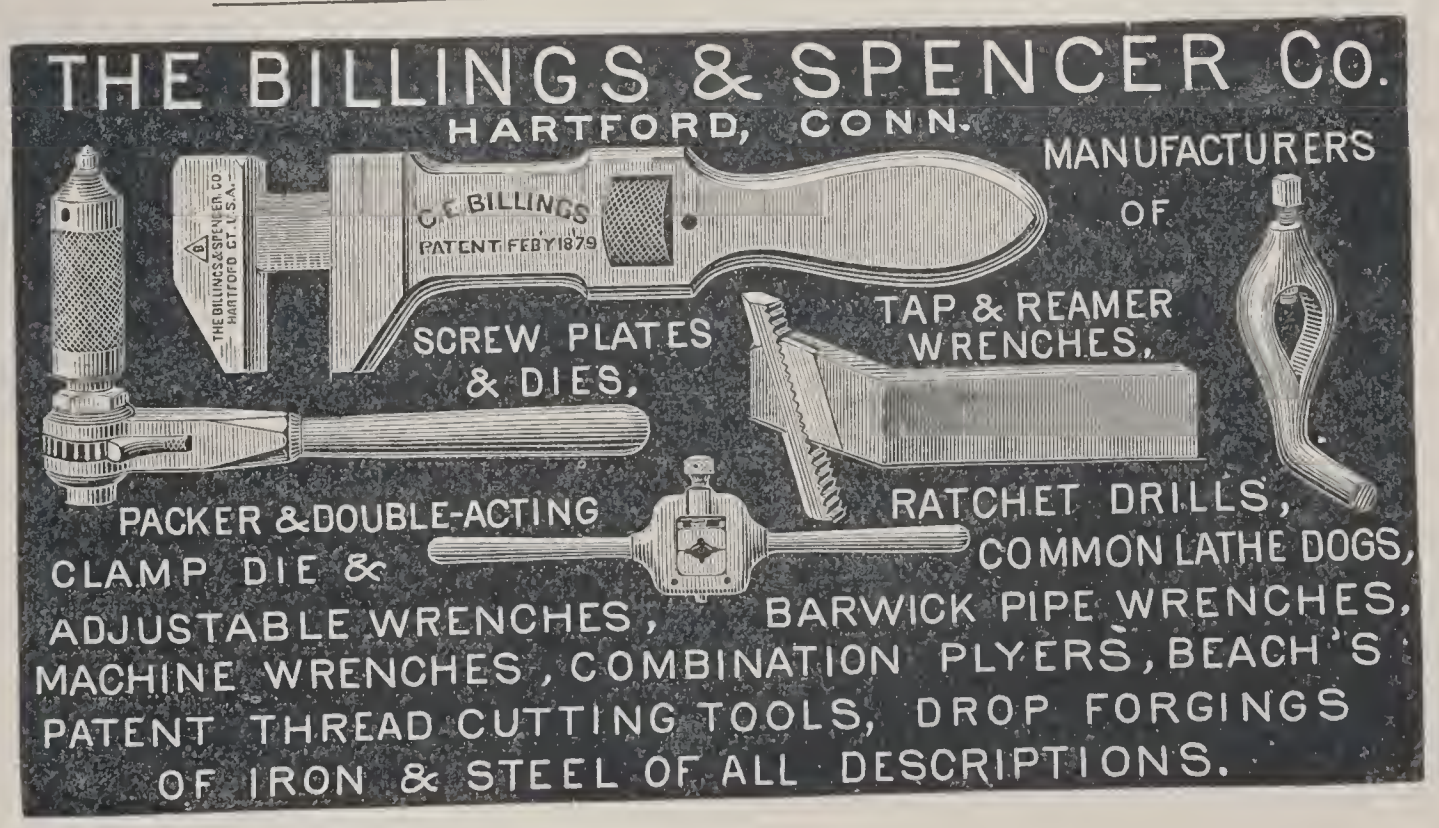
Cards, Railway Heads, Drawing Frames, Looms, Etc.

Ring Spinning Frames, for Warp or Filling, Cams for Twills, solid or single leaf.

Manufacturers of

American Duplex Dobbie.

The Billings & Spencer Co., Hartford, Conn.



C. Aultman & Co., Canton, Ohio, U. S. A.

MANUFACTURERS OF HIGHEST CLASS

Steam Threshing Machinery,

Engines, Horse Powers, Automatic Stackers,

Water and Fuel Tanks, Saw Mills, &c.

THIS house was established in 1831, and is the oldest and most extensive Threshing Machine Plant in America. This long and successful career affords to purchasers a more solid guarantee of excellence in construction than can otherwise be obtained.

It has always been the characteristic of C. Aultman & Co. to use only the very best materials, and to equip their machines with the very best devices, that, after thorough testing, have the approval of the most skilled agricultural engineers.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

Threshers and Engines.

(See Pages 104, 106, 107, 108, 109, 110, 111, 112 and 113.)

UNLESS otherwise ordered, we send machines sold to foreign countries to the care of our shipping agent at New York, who obtains marine insurance, and lowest freight rates on goods. Machines for ocean shipment are strongly and carefully boxed. The measurements of machines boxed for ocean shipment are, approximately, as follows:

24-inch cylinder,	36-inch	separator	- -	467	cubic feet.
30-inch "	42-inch	"	- - -	515	"
33-inch "	48-inch	"	- -	545	"
36-inch "	52-inch	"	- - -	585	"
40-inch "	60-inch	"	- -	675	"
Horse Powers, 8 to 12-horse			- -	215 to 225	"
Plain Portable Engines, mounted on wheels,				300 to 350	"
Traction Portable Engines, 6 to 12 H. P.				400 to 500	"
Saw Mills			- - - - - -	125 to 175	"

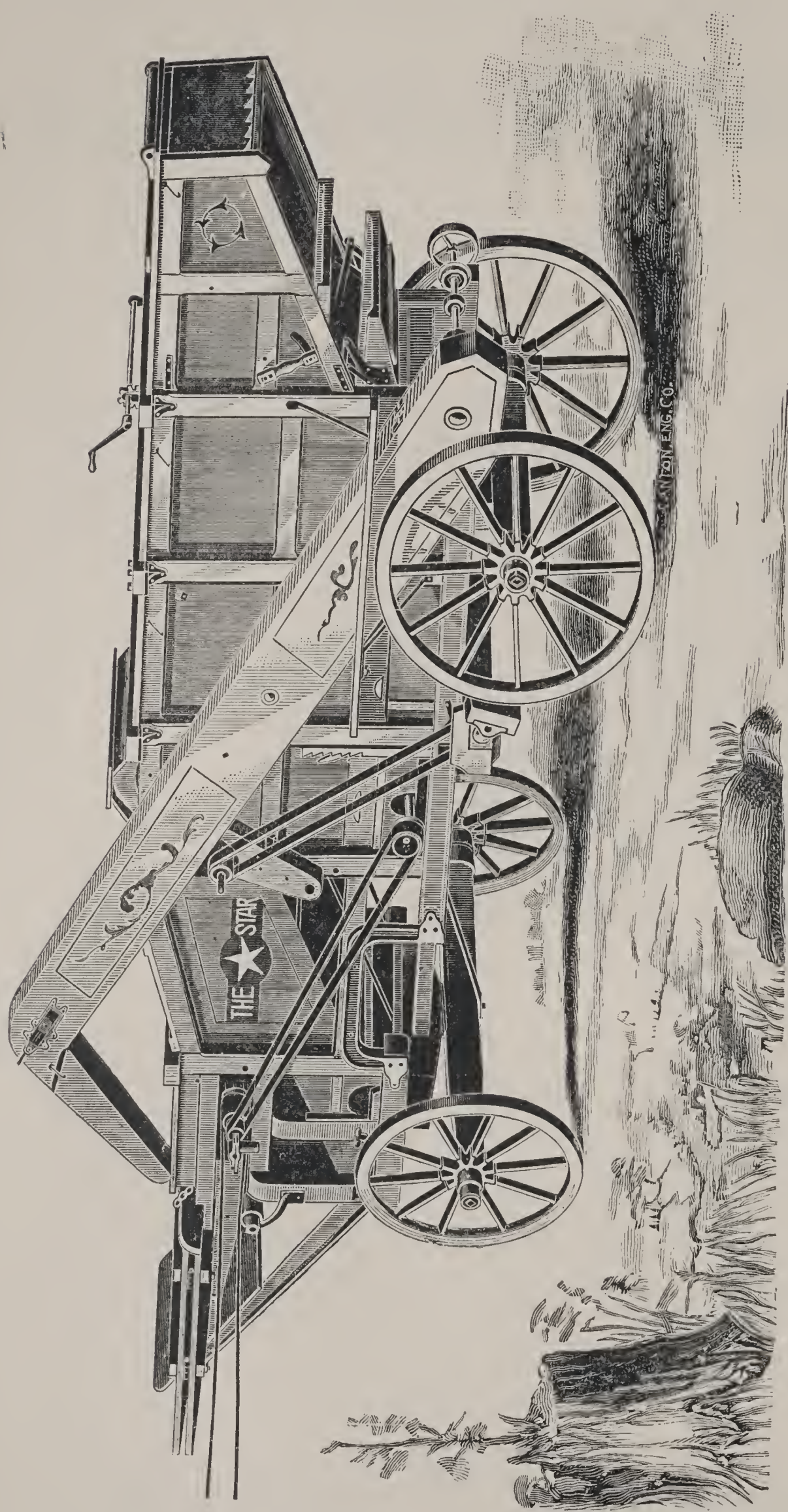
All our machinery, of every description, is carefully tested before leaving our works.

The machines sold by us are furnished with all needed equipments for successful operation in the field.

We can furnish directions for running our machines, printed in either the English or Spanish languages.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.



The Star Thresher.

This Thresher is equipped for the perfect separation, saving and cleaning of all grains and seeds. It is furnished in the five following sizes. List prices always include Truck, Stacker, and everything to make a complete Thresher.

SIZES { Cable: *Astay* 24-inch Cylinder, 36-inch Separator.
" *Astun* 33 " " 48 " "
Cable: *Aster* 30-inch Cylinder, 42-inch Separator.
" *Atake* 36 " " 52 " "
Cable: *Ataxy* 40-inch Cylinder, 60-inch Separator.

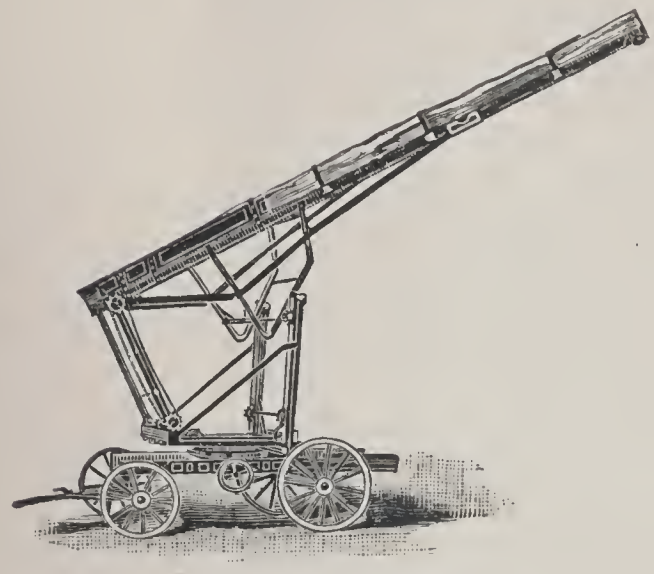
C. Aultman & Co., Canton, Ohio, U. S. A.

THRESHERS AND ENGINES.

(See pages 104, 105, 106, 108, 109, 110, 111, 112 & 113).

THE STAR AUTOMATIC SWINGING STACKER

Cable: *Aliii.*



STAR STACKER.

This is an independent machine. It is operated by a belt from thresher, as shown on page 108. It will stack the straw from one day's threshing in good shape for preservation.

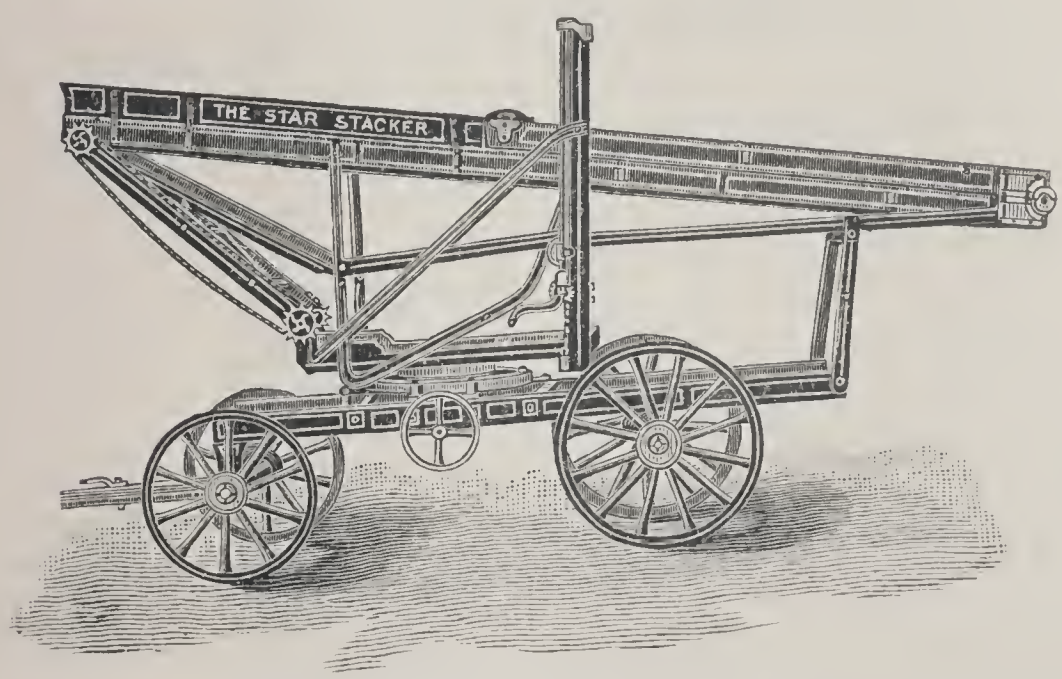
The stack made by our Automatic Stacker may be semi-circular, well adapted to the protection of stock, or it may be round.

Its operation is entirley automatic.

It is raised and lowered by power.

It is easily raised, or lowered and folded for transport. This stacker has many merits over every other stacker which are protected by letters patent.

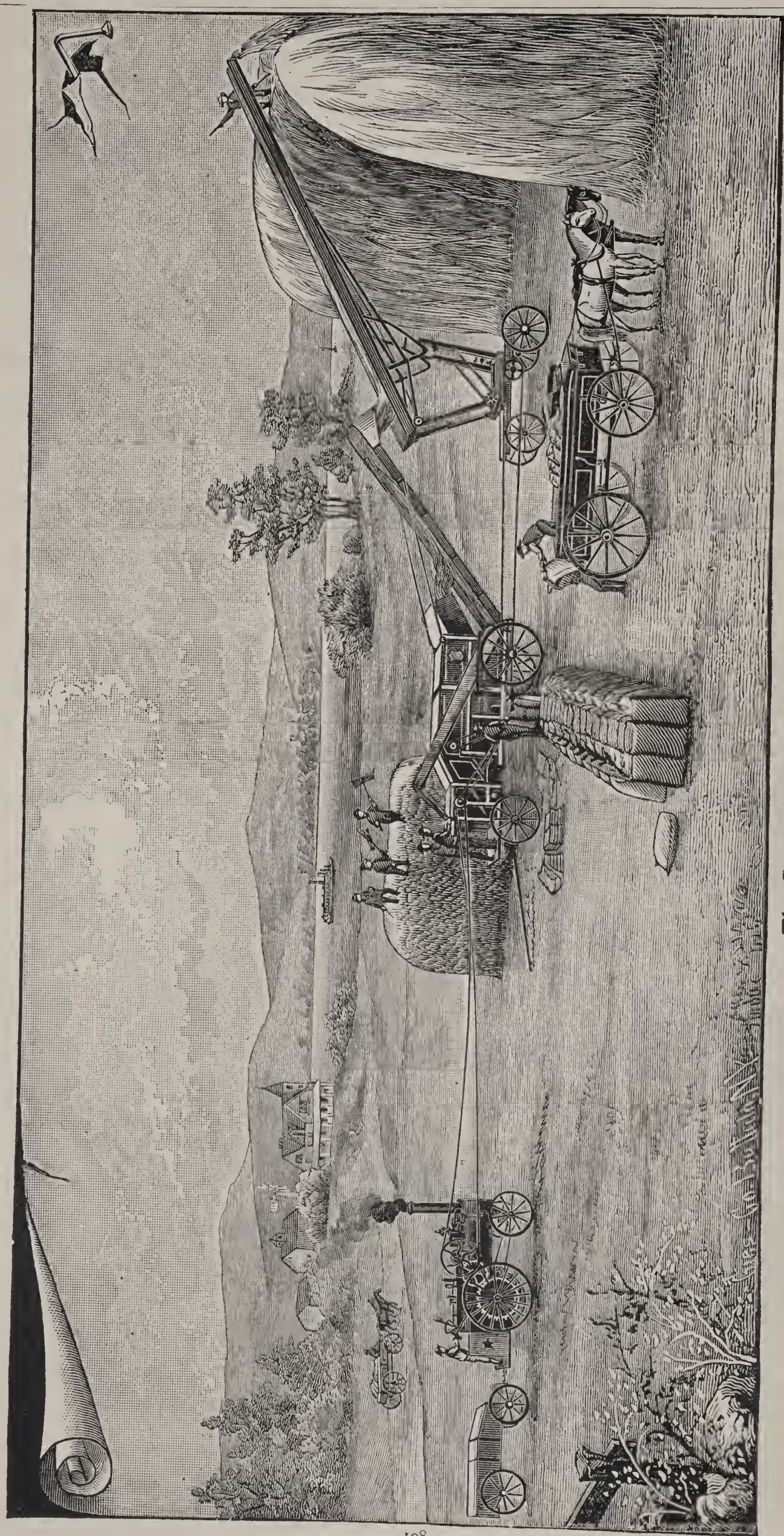
STAR STACKER—Partly Elevated.



STAR STACKER—Folded for Transport.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.



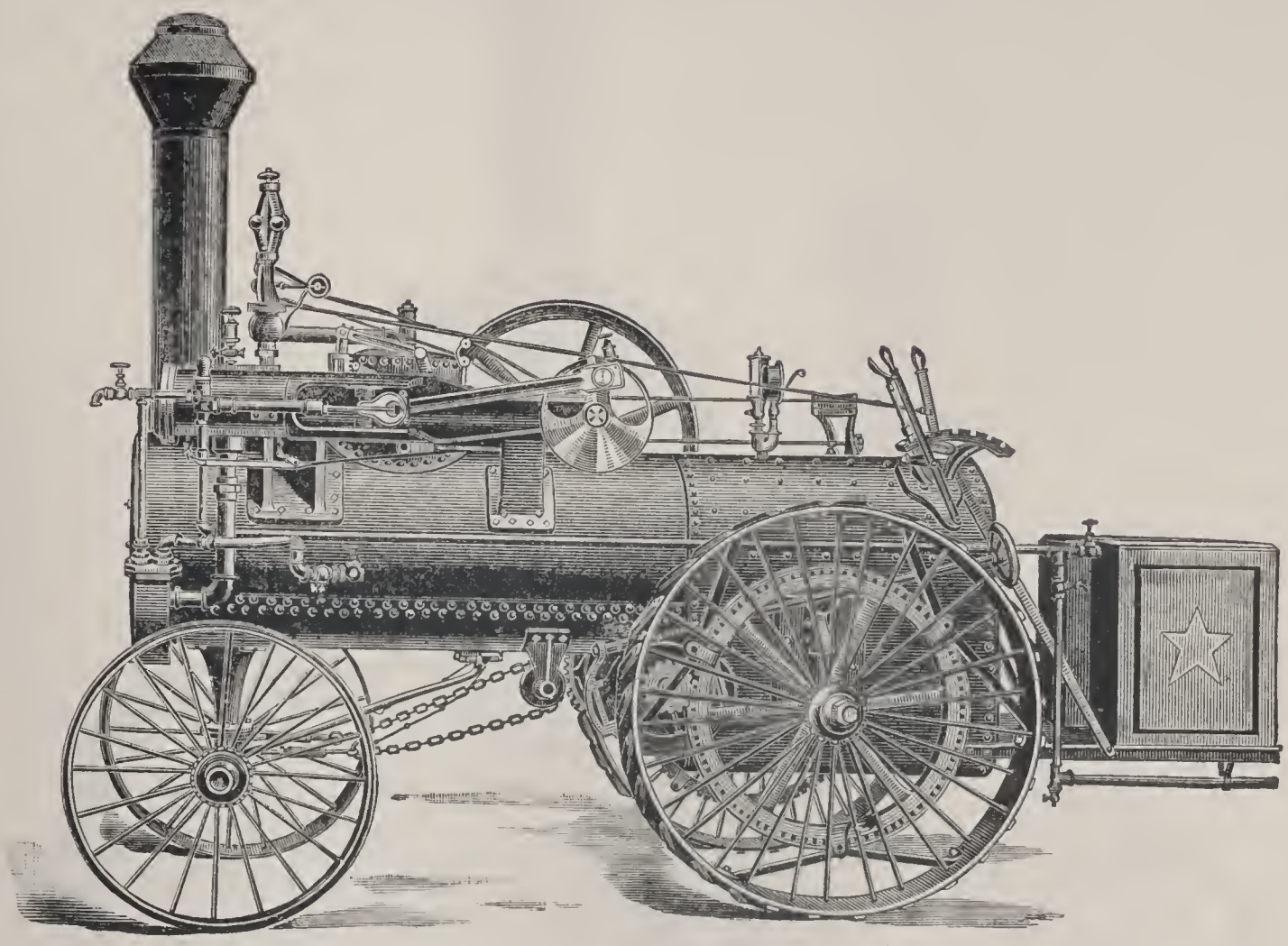
The Star Rig in the Field.

Showing Star Thresher, Star Engine, Star Stacker and Star Tank in operation.

C. Aultman & Co., Canton, Ohio, U. S. A.

THRESHERS AND ENGINES.

(See pages 104, 105, 106, 107, 108, 110, 111, 112 and 113.)



THE STAR ENGINE.

DIMENSIONS OF STAR ENGINES.

Cable.	Power of Engine.	BOILER.									ENGINE.								
		Length of Boiler.	Diameter of Boiler.	Length of Fire Box.	Width of Fire Box.	Height of Fire Box.	Number of Flues.	Length of Flues.	Diameter of Flues.	Heating Surface.	Bore of Cylinder.	Length of Stroke.	Revolutions per Minute.	Diameter of Balance Wheel.	Width of Belt Face.	Diameter of Traction Wheel.	Width of Traction Tire.	Diameter of Front Wheel.	Width of Front Tire.
	H. P.	In.	In.	In.	In.	In.	No.	In.	In.	Sq. Ft.	In	In.	No.	In.	In.	In.	In.	In.	In.
Atimy.	10	115	28	35	23	33	32	60	2¼	134	7⅜	10	212	37	9	56	10	40	5
Atlas.	12	127	28	35	23	33	32	72	2¼	158	8	10	212	37	9	60	12	43	5
Atone.	6	108	24½	30	20	26	28	60	2	100	6¼	8	240	33	8	48	4½	36	3½

Star Engines are built with or without Traction Attachments. Every Engine is furnished with Link Motion Reverse, Pump and Injector, Platform Water and Fuel Tanks, Two-Speed Gears. In short, everything that is required to put the Engine into complete operation in the field.

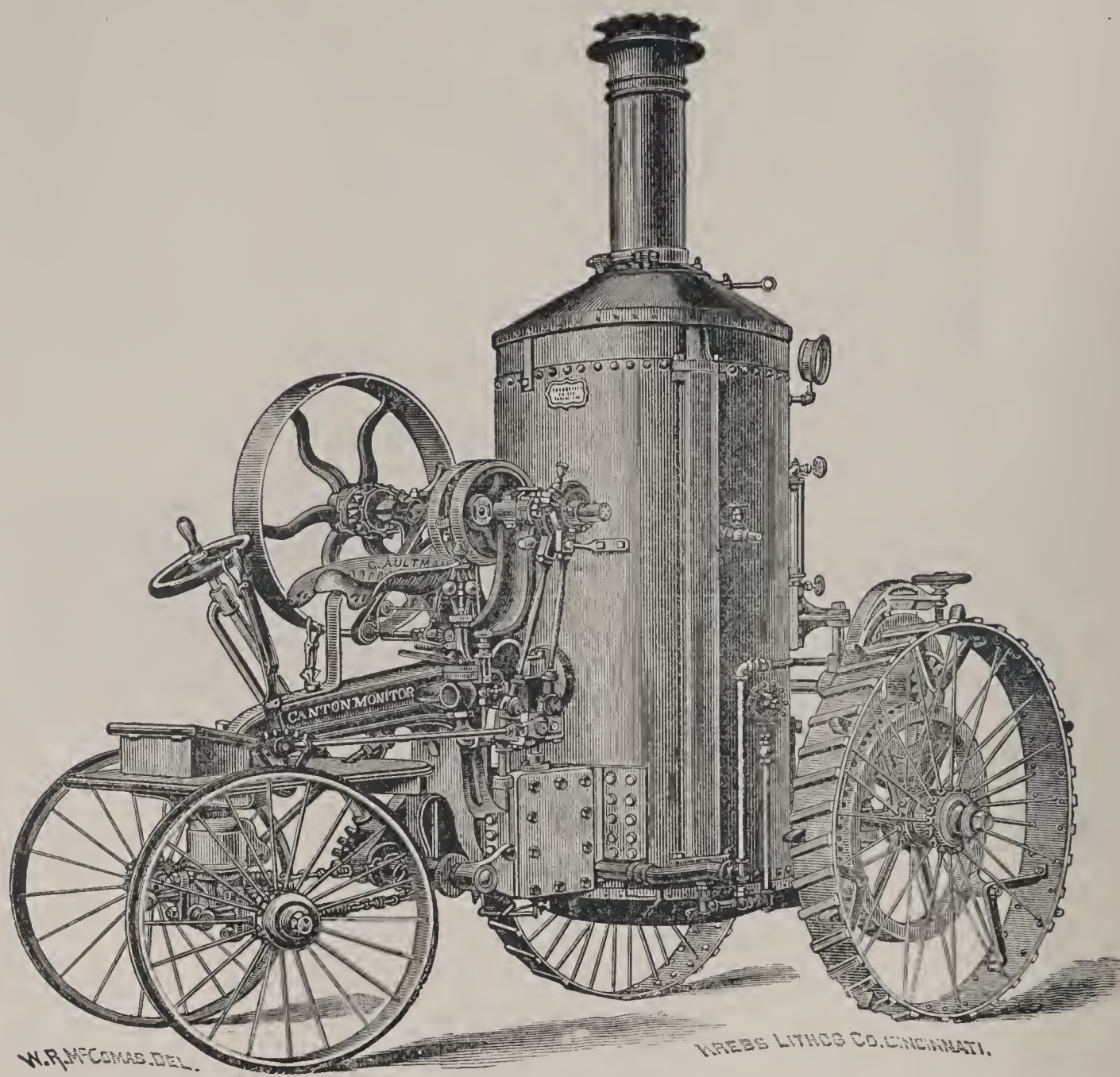
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

C. Aultman & Co., Canton, Ohio, U. S. A.

THRESHERS AND ENGINES.

(See pages 104, 105, 106, 107, 108, 109, 111, 112 & 113).



MONITOR ENGINE.

DIMENSIONS OF CANTON MONITOR ENGINES.

Description.	Cable: *Atrip.* 6 Horse-Power.	Cable: *Attar.* 10 Horse-Power.	Cable: *Attic.* 12 Horse-Power.	Cable: *Attle,* 16 Horse-Power.
Diameter of Cylinder,	6 inches.	7½ inches.	8 inches.	8 inches.
Stroke of Crank,	7 inches.	8 inches.	9 inches.	9 inches.
Diameter of Fly Wheel,	33 inches.	36 inches.	40 inches.	40 inches.
Width of Face of Fly Wheel,	7 inches.	8 to 10 inches.	12 inches.	12 inches.
Revolutions per Minute as set to run,	215	205	192	192
Height of Boiler,	67 inches.	68 inches.	68 inches.	74 inches.
Diameter of Boiler,	36½ inches.	38½ inches.	41½ inches,	43½ inches.
Diameter of Fire Box,	31½ inches.	33½ inches.	37 inches.	38½ inches.
Height of Fire Box,	26 inches.	26 inches.	27 inches.	30 inches.
Number of Two-inch Flues,	67	78	90	100
Length of Two-inch Flues,	43 inches.	44½ inches.	44½ inches.	46 inches.
Number Square feet Heating Surface,	119	155	181	212
Number Square feet of Grate Surface,	4.93	5.94	7.24	8.08

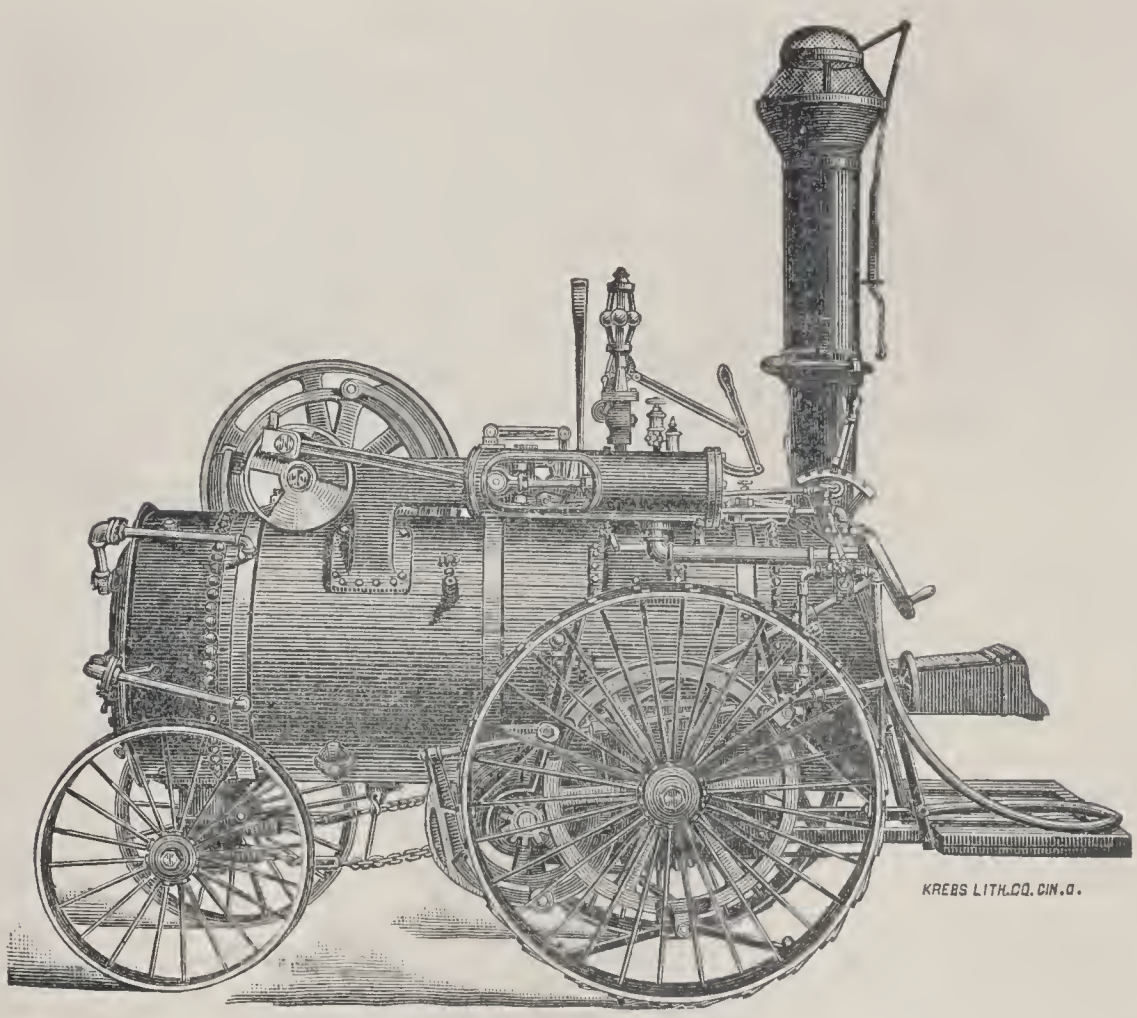
The Monitor has the largest sale of any engine in the United States. It is the simplest form of engine. It is furnished either as a Plain or Traction Engine.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

Threshers and Engines.

(See Pages 104, 105, 106, 107, 108, 109, 110, 112 and 113.)



PHŒNIX ENGINE.

Cable: 12 H. P., *Audit*; 16 H. P., *Augur*.

THE Phœnix Engine will do better and more reliable work with a straw fire than any other engine. It is our straw burner, but will also give splendid satisfaction with wood or coal as fuel. Each engine is furnished with Platform Water Tanks, (not shown in cut); also with a Friction Clutch, Automatic Exhaust, and other patented devices of great value. The Phœnix is built in 12 and 16 horse power sizes.

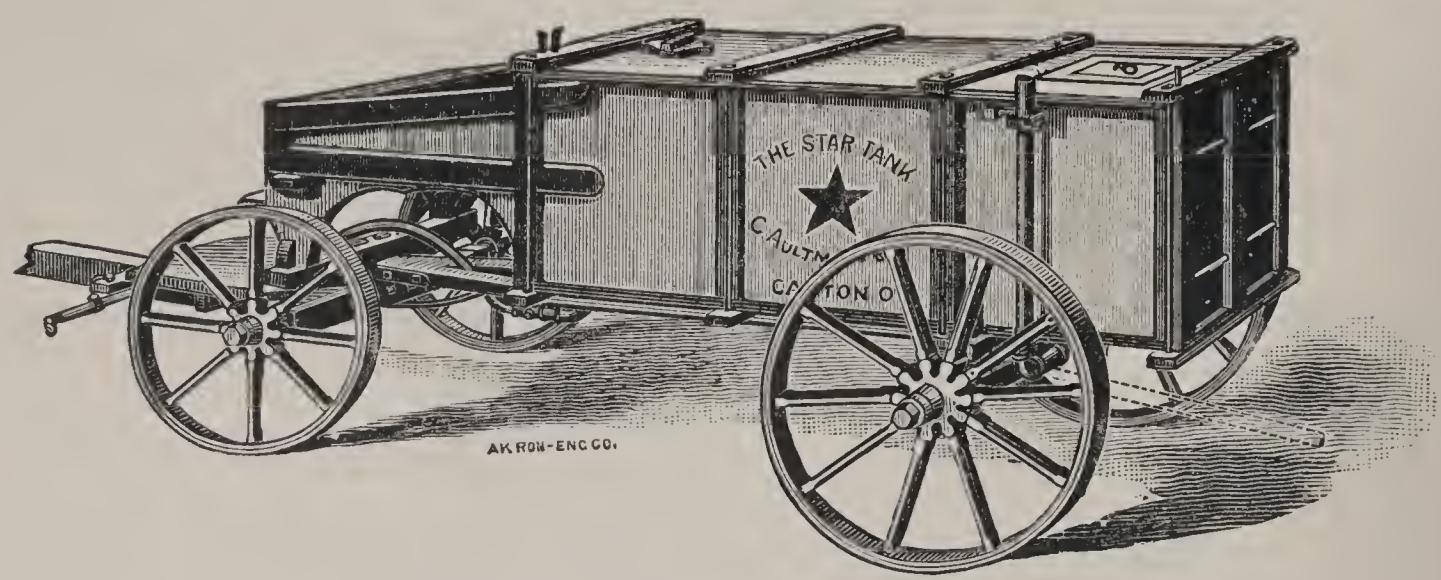
NOTE—All the engines leaving our works are carefully tested. All are mounted on our wrought iron and steel trucks, and are furnished with pole, whiffletree, stay-chains, neck-yoke, and brakes for truck; also, all fittings necessary for the engine, such as governor, self-feeding cylinder lubricator, oil cups, try cocks, steam gauge, glass water gauge, whistle, locomotive "pop" safety valve, pipe wrench, suction hose, flue cleaner, fire poker and scraper, extra glass for water gauge, water screen, funnel for filling boiler; in short, with all that can be needed, without extra cost.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Threshers and Engines.

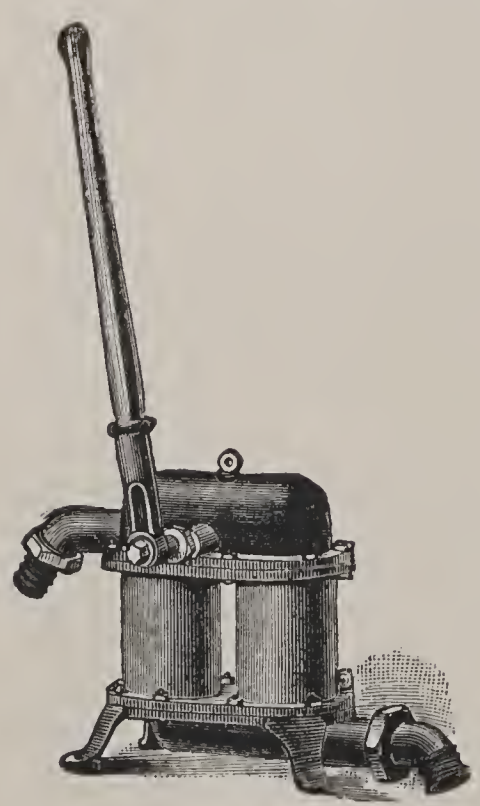
(See Pages 104, 105, 106, 107, 108, 109, 110, 111 and 113.)



The Star Water and Fuel Tank.

Cable: *Aught*

Threshermen using Traction Engines, often need a tank of large capacity like the Star. By taking out four bolts, the wagon can be used for other purposes. Each tank is furnished with a short tongue, also a long tongue for horses. Shrinkage, if any occurs, can be taken up both vertically and horizontally.



TORRENT TANK PUMP.

Cable: *Aulic.*

To owners of Tank Wagons who desire a a good Pump, we can recommend the Torrent Two-cylinder Tank Force Pump as the best thresher wagon tank in the field.

It will do efficient fire service, and can be used for washing out the boiler.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Threshers and Engines.

(See Pages 104, 105, 106, 107, 108, 109, 110, 111 and 112.)

We manufacture Special Attachments to our Star Thresher, as follows:

Clover Hullers.

Our Clover Hulling Attachment, hulls and cleans clover seed in a superior manner. Cable: *Aunty.*

Rice Threshers.

The Star Thresher, fitted specially for rice, is more largely used for rice than all other threshers combined. Cable: *Aural.*

Wagon Loaders.

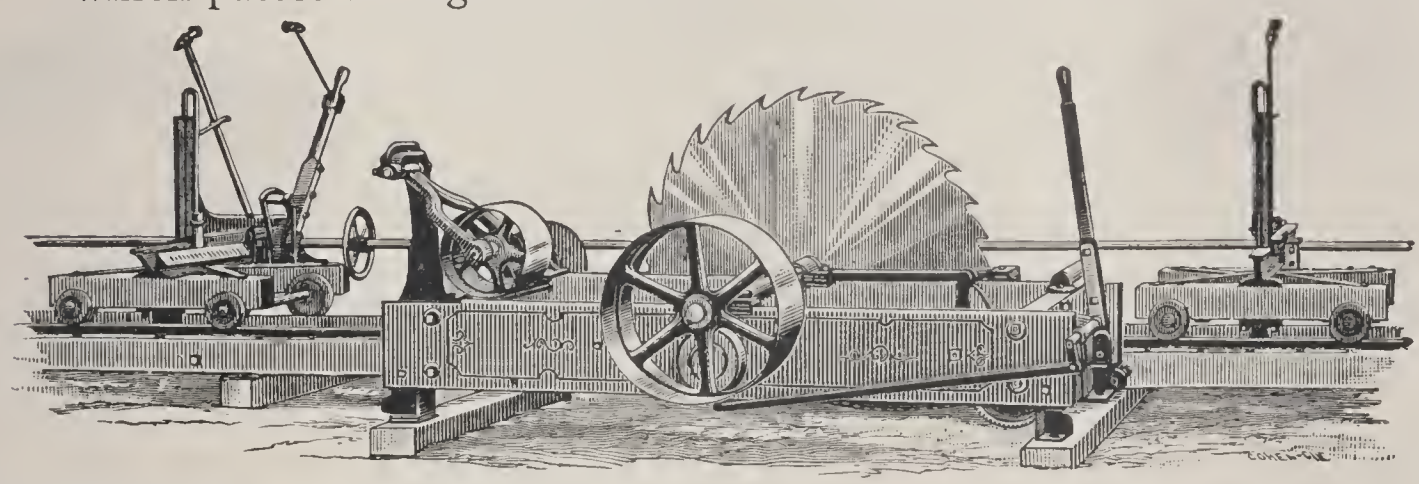
We can furnish this attachment which carries the cleaned grain from the machine and delivers it directly into a wagon. Cable: *Aurum.*

Baggers.

Our Bagging Attachment enables one man to do all the bagging with ease. Cable: *Avail.*

Weighers.

Our Weigher accurately weighs and records, automatically, every pound which passes through the machine. Cable: *Avant.*



Saw Mills.

C. AULTMAN & Co. furnish two styles of Saw Mills. The Monitor, (cable: *Avast*) is built either as a Double or Single Mill. The Star (cable: *Avert*) is a Single Mill only. Both mills are capable of doing a wide range of excellent work.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Eagle Machine Co., Lancaster, Ohio.

EAGLE

Manufacture the following high grade Implements for Export Trade.

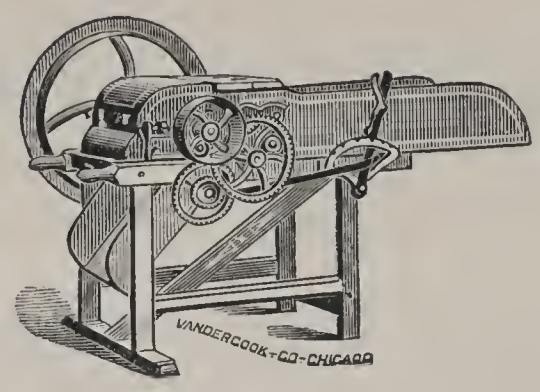


Fig. 1. Power Feed Cutter. Cable: *Ameer*

"Knock Down" Hand Corn Shellers and Feed Cutters a Specialty.

Fig. 1. Represents our Power Feed Cutter; has two 15-inch steel knives, cuts any kind of feed various lengths with safety fly wheel, controllable feed gear and self-feed rollers.

Fig. 2. A first-class Corn Sheller, light running, separates the cob, large throat to receive the ears of corn, made with or without fan, the most complete sheller in the market. By removing four bolts it is knocked down as shown in Fig. 3.

Fig. 5. Is a view of our low-price hand Feed Cutter. Has one 11-inch spiral steel knife, makes three cuts to one turn of the crank, cuts four lengths. By removing four bolts it is knocked down as shown in Fig. 6.

Fig. 4. Rotary hand Corn Planter, accurate, reliable, has three feed wheels for different sizes of corn, has no equal in the world.

Fig 7. Represents an Animal Poke, a sure cure for breachy or jumping animals, easily adjusted, self-locking, no loose pins, strong and durable.

EAGLE

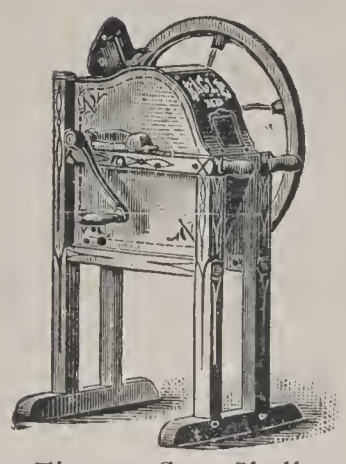


Fig. 2. Corn Sheller
Cable: *Amend*

EAGLE

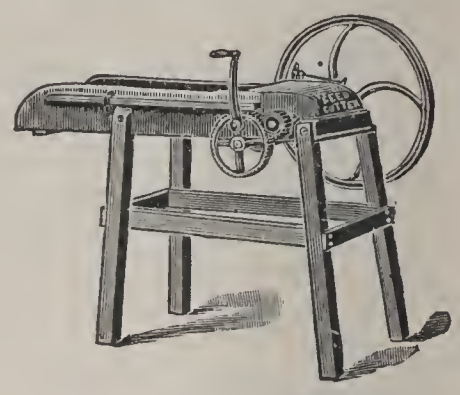


Fig. 5. Hand Feed Cutter
Cable: *Amiss*

EAGLE

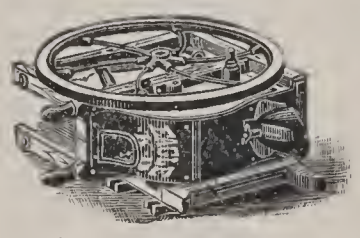


Fig. 3. Corn Sheller
"Knocked Down."

EAGLE

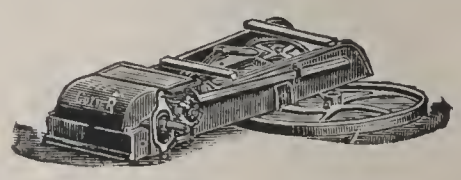


Fig. 6. Hand Feed Cutter
"Knocked Down"

PRICES, &c.

EAGLE

Fig. 4. Rotary Corn Planter
Cable: *Amide*

	No. in Case	Weight		Cubic Feet	Price
		Gross	Net		
Power Feed Cutter	1	600	442	35½	$32 50 each
Hand " "	1	185	158	6	9 00 "
" Corn Sheller, (no fan)	1	135	110	4	5 50 "
" " " (with fan)	1	140	115	4	6 25 "
" Corn Planter	6	53	45	3	12 00 doz
Animal Poke	12		52	5	3 75 "

Prices quoted are F. O. B. Cars New York or Boston, boxed.

Terms: Cash with order.

In sending orders through commission houses also send duplicate order direct to us.

Descriptive Catalogue sent on Application.

EAGLE

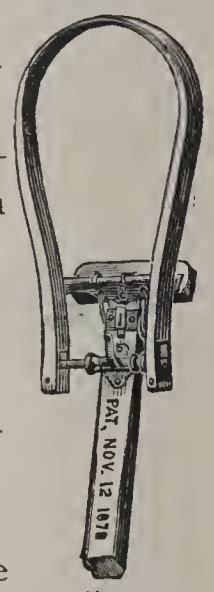


Fig. 7
Animal Poke
Cable: *Amity*

Manufacturers of all kinds of

Feed Mills and Horse Powers

COMBINED OR SEPARATE

to grind any kind of grain, including corn and cob with shucks. Can be run with two or four horses, or with small engine. Mills to grind from twelve to sixty-five bushels per hour.

Sawing Machines for Sawing every kind of small lumber used on a farm.

Horse Powers for two or four horses.

Also manufacturers of a full line of Brass Goods for Engine Builders, Plumbers and Steam Fitters.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Plows.

Harrows.

Cultivators.

Horse Power Corn Mills.

Cider Presses.

Baling Presses.

MANUFACTURERS OF

Canning House Machinery, Hardware Specialties, Agricultural Implements and Machinery.

WRITE FOR CATALOGUE.

Apple Parers.

Peach Parers.

Ice Creepers.

Engines.

Pineapple Graters and Slicers.

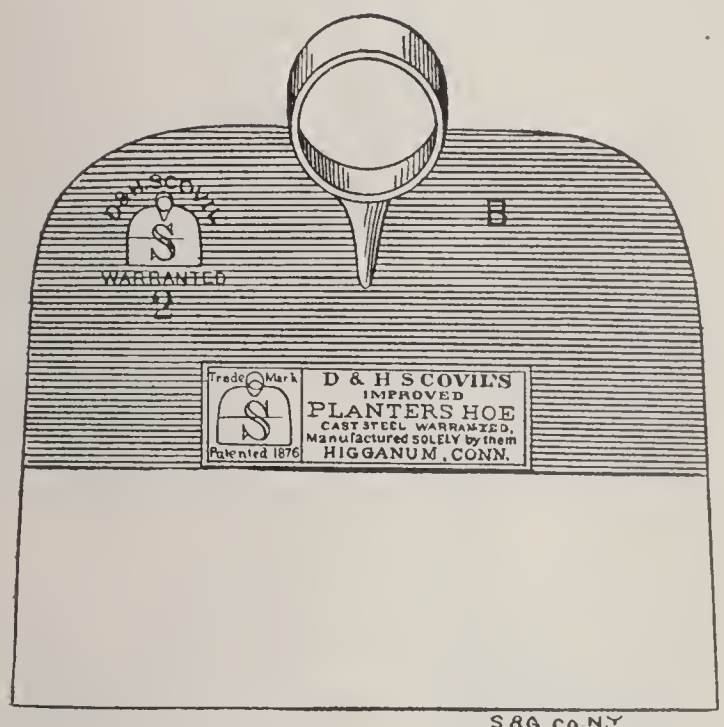
Pea Hullers.

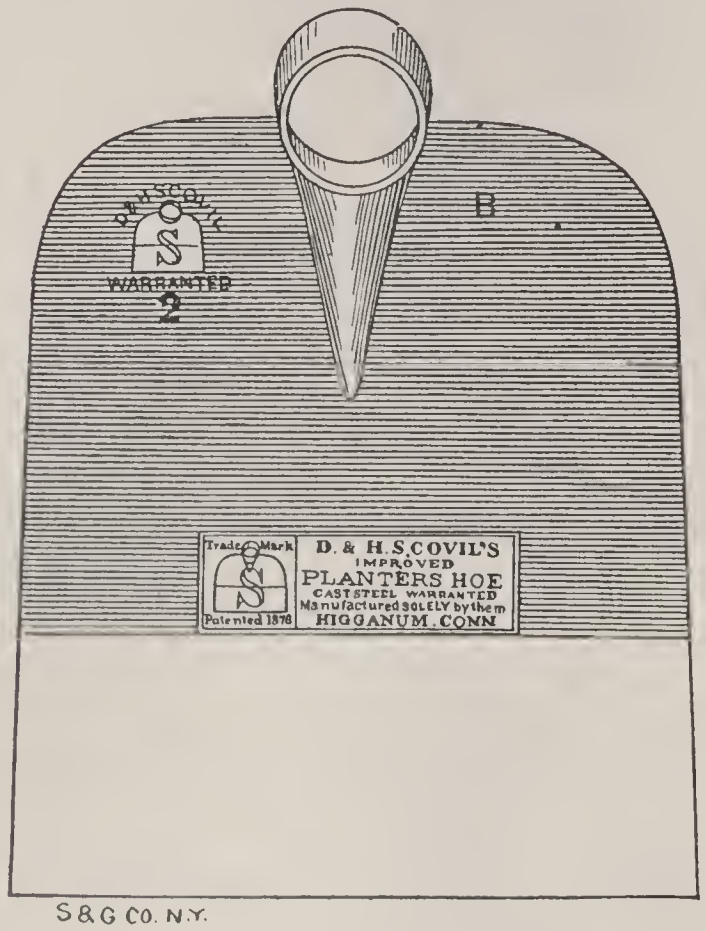
Pea Separators.

D. & H. Scovil, Higganum, Conn.

MANUFACTURERS OF

SCOVIL'S
IMPROVED PLANTER'S HOE.



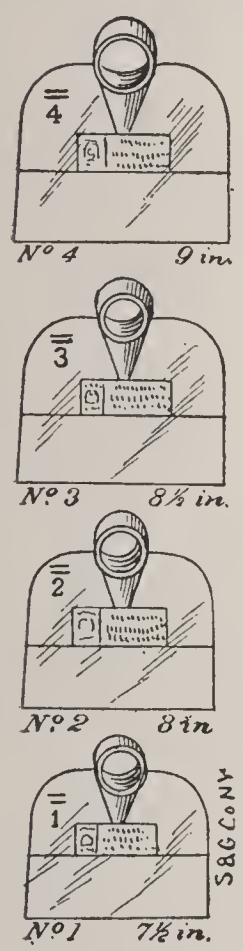


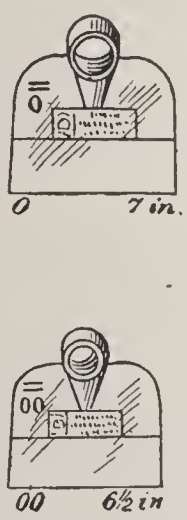
PRICE LIST.

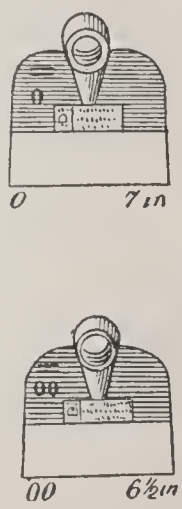
	Per Doz.
No. 00, half bright	$5.50
No. 0, half bright	5.75
No. 1, half bright	6.00
No. 2, half bright	6.50
No. 3, half bright	7.00
No. 4, half bright	7.50
No. 00, all bright	5.75
No. 0, all bright	6.25
No. 1, all bright	6.50
No. 2, all bright	7.00
No. 3, all bright	7.50
No. 4, all bright	8.00

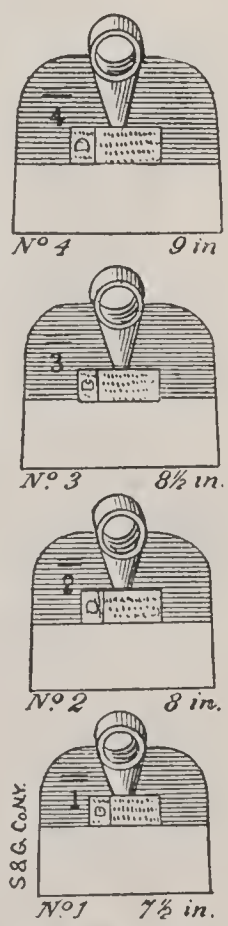
Price of Long Hoe is 25 per cent. higher than price of Short Hoe.

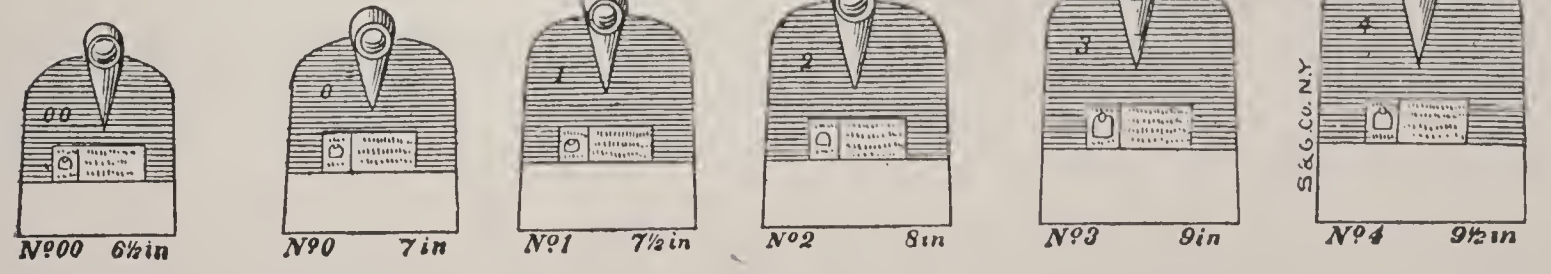
APPLY FOR DISCOUNTS.



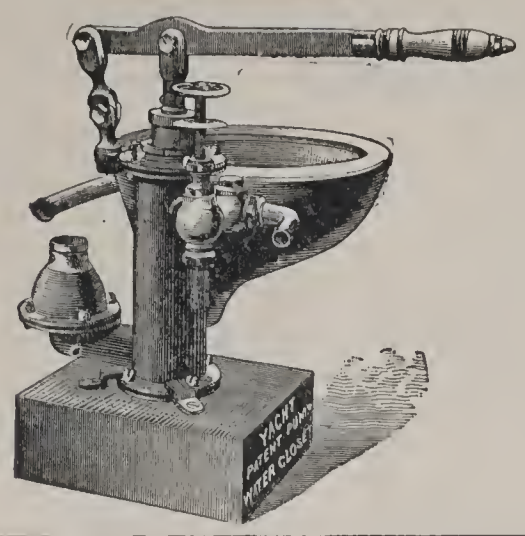








ALFRED B. SANDS & SON, 134 BEEKMAN ST., NEW YORK.



Manufacturers of

Patent Pump Water Closets,

FOR EITHER ABOVE OR BELOW WATER-LINE.

SHIP WATER CLOSETS,

Bilge, Tank, Deck, Basin and Sink Pumps,

IN BRASS AND COPPER.

HAND AND DEEP-SEA LEADS.

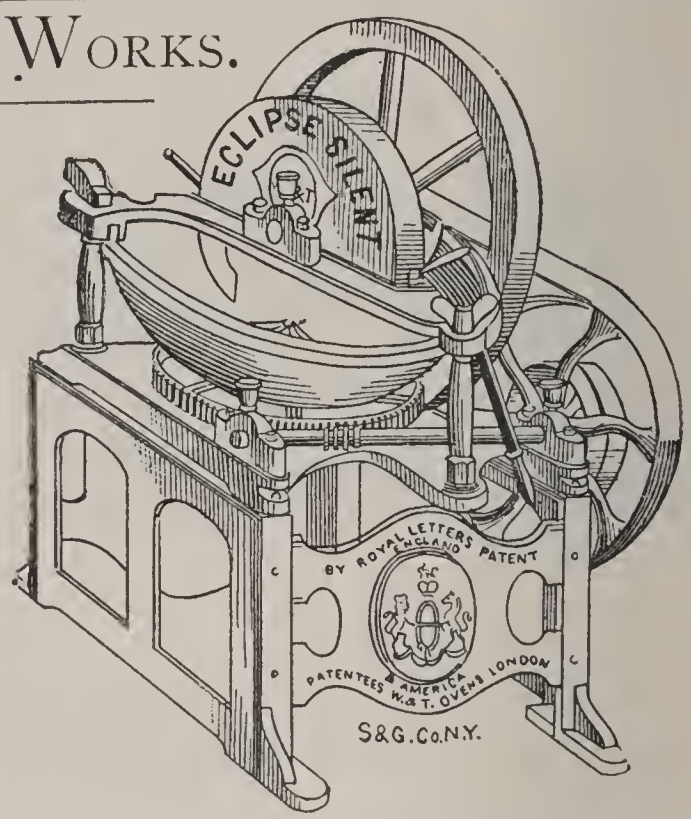
UNION IRON WORKS.

DUNCAN MACKENZIE, Proprietor,
TRENTON, NEW JERSEY, U.S.A.
Sole Owner and Patantee of the

"ECLIPSE"

SILENT MEAT CUTTING AND SAUSAGE MACHINE.

Beware of Fraudulent Imitators.

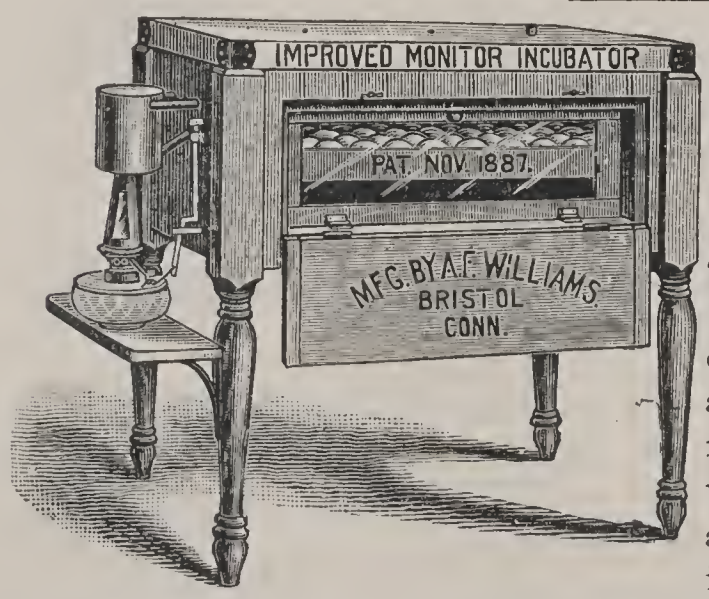


CAPACITY AND PRICE OF MACHINES:

No. 1,	Will Cut and Mix 150 lbs. of Meat per hour,	$125.00
No. 2,	Will Cut and Mix 400 lbs. of Meat per hour,	$200.00
No. 3,	Will Cut and Mix 750 lbs. of Meat per hour,	$250.00
No. 4,	Will Cut and Mix 1200 lbs. of Meat per hour,	$300.00

☞ The above Machine is, without exception, the *best* on the market. *Intending Buyers should look into the merits before placing orders elsewhere.*

A. F. WILLIAMS, BRISTOL, CONN., U.S.A.



THE IMPROVED

MONITOR INCUBATOR.

THIS Machine it made of the *very best material*, and none but *first-class mechanics* are employed. A machine whose excellent qualities are known all over the United States, and used and recommended by the best poultry men. Every article used in the construction of the machine is first-class, and all machines are thoroughly tested before leaving the factory, No watching machine is required, as they have perfect regulation. It has been awarded the *first premium* at nearly all the great Fairs and Expositions in the United States.

Capacity.	*Size.*	*Weight-(crated)*	*Price.*
60 Eggs	23x27 inches	100 lbs	$24.00
100 Eggs	22x37 inches	140 lbs	34.00
150 Eggs	26½x42 inches	175 lbs	40.00
200 Eggs	31½x45 inches	200 lbs	$45.00
300 Eggs	37x53 inches	225 lbs	57.00
400 Eggs	37x69 inches	255 lbs	70.00

When crated, the legs are taken off and the depth of the machine is 16 inches, and weight and sizes as above, so they wilt take a small space when ready for shipment. For Brooders, see Catalogue, all styles and prices.

Address all Orders, Drafts. etc., to

A. F. WILLIAMS, Bristol, Connecticut, U.S.A.

American Ship Windlass Co., Providence, R. I.

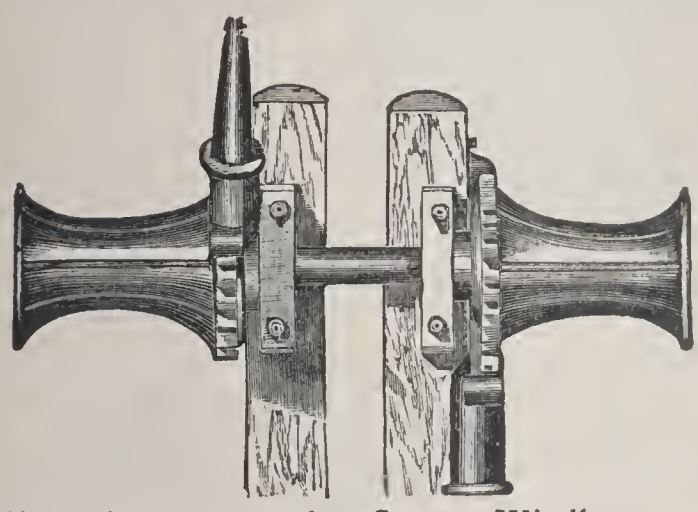
ESTABLISHED 1857.

BUILDERS of the celebrated "Providence" Windlasses and Capstans, for Steam and Sailing Vessels, Barges, Drydocks, Bridges, Wharfs, etc. Also manufacturers of Winter's Patent Wharf and Ferry Drops, Hawse Pipe Stoppers, Barge Winches, Boat Lowering Winches, Steam Towing Machines, Sheet Holders and Indicators.

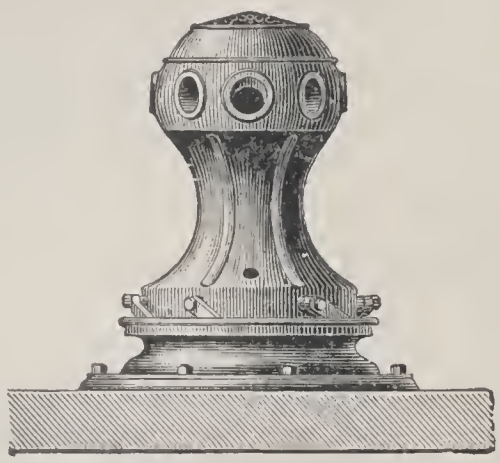
Our capstan windlasses have a power capstan with a single head, which has power and speed arrangement independent of the windlass. On the steam windlass we make a direct connection between the windlass and engines, without countershafts or additional gearing. This saves friction and liability to break down. The engines are counter-balanced, and the worm and worm-gear are lubricated automatically. The engines are placed together in the most accessible position, and are in complete control of the operator.

The above improvements and others not mentioned are patented and owned by this Company.

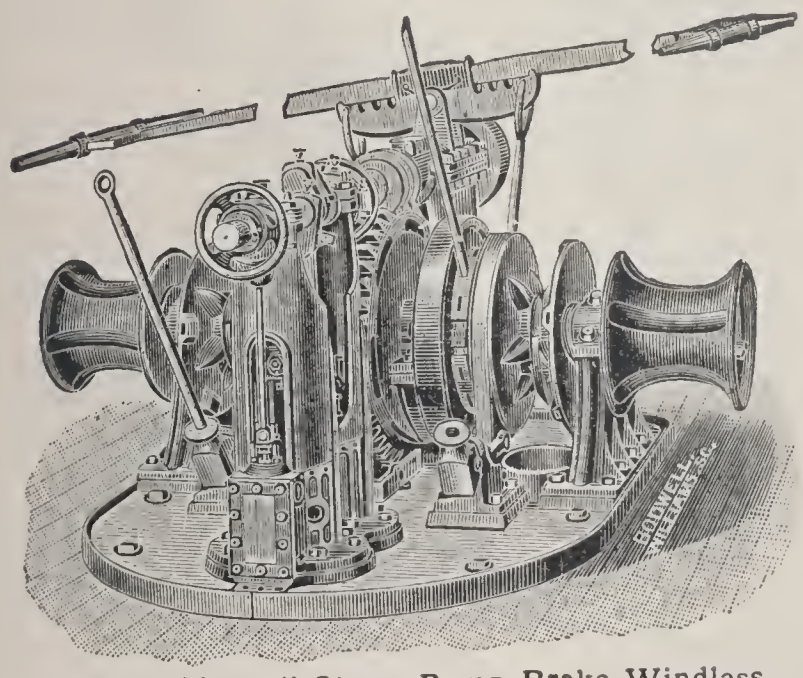
Seven-eighths of all the vessels built in the United States during the past ten years are furnished with the "Providence" Windlasses and Capstans.



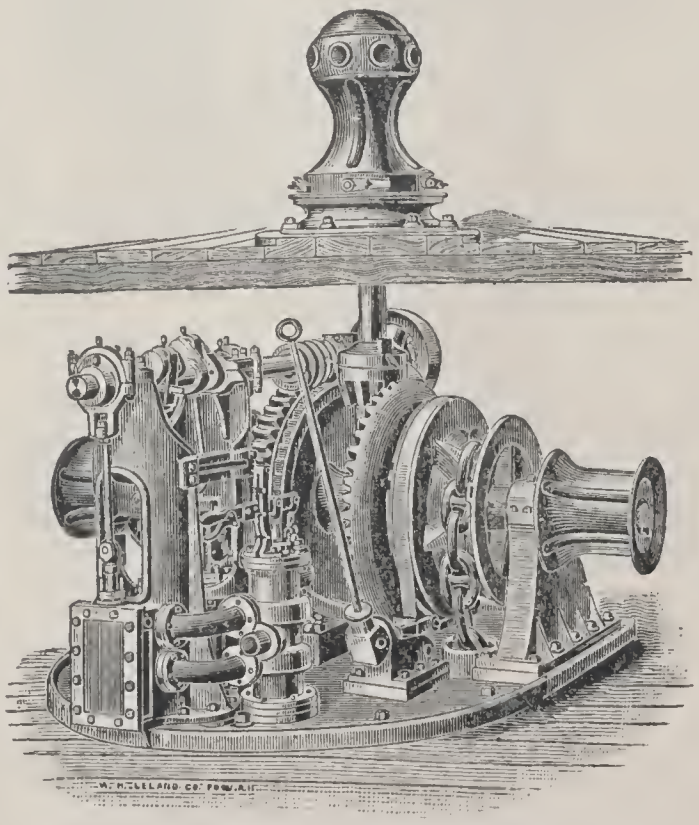
"Providence" Ratchet Gypsey Windlass.
Cable: *Among*



"Providence" Power Capstan.
Cable: *Amort*



"Providence" Steam Pump Brake Windlass.
(New Style.)
Cable: *Amour*



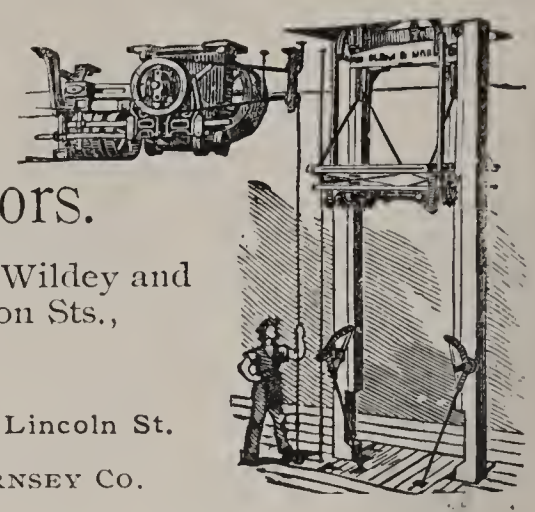
"Providence" Steam Capstan Windlass.
(New Style.) Cable: *Amove*

MORSE ELEVATOR WORKS, PHILADELPHIA, PA., U. S. A.

MORSE, WILLIAMS & CO.,

Manufacturers and Builders of all kinds of

Passenger and Freight Elevators.



OFFICE:
1105 Frankford Avenue,

WORKS: { Frankford Ave., Wildey and Shackamaxon Sts.,

PHILADELPHIA, PA., U. S. A.

New York Office, 108 Liberty St. Boston Office, 33 Lincoln St.

Orders or information received at office of THE SEEGER & GUERNSEY CO.

MORSE TWIST DRILL & MACHINE CO., NEW BEDFORD, MASS., U. S. A.

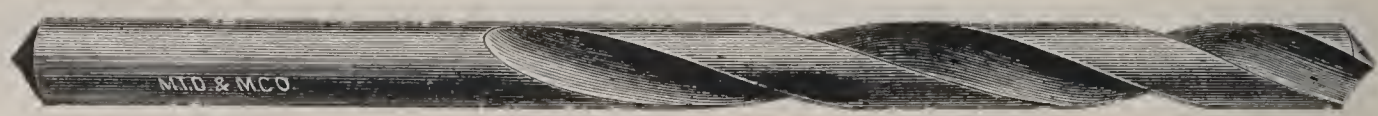
Established 1864

M.T.D. & M.Co

Manufacturers of

PATENT INCREASE TWIST DRILLS,

CHUCKS, REAMERS, MILLING CUTTERS AND SCREW CUTTING TOOLS.

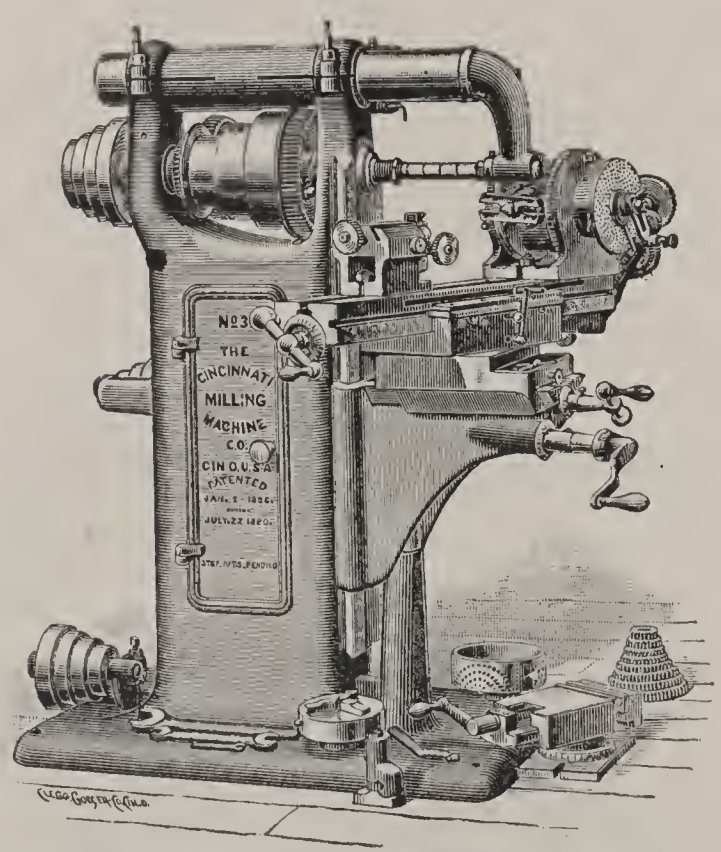


Awarded Diplomas and Medal for excellence and merit of their tools at

VIENNA, 1873. NEW ORLEANS, 1885. U. S. CENTENNIAL, 1876. LONDON, 1887.
BOSTON, 1869. PARIS, 1878. PARIS, 1889. MELBOURNE.

Illustrated Catalogue and Price-Lists furnished free on application.

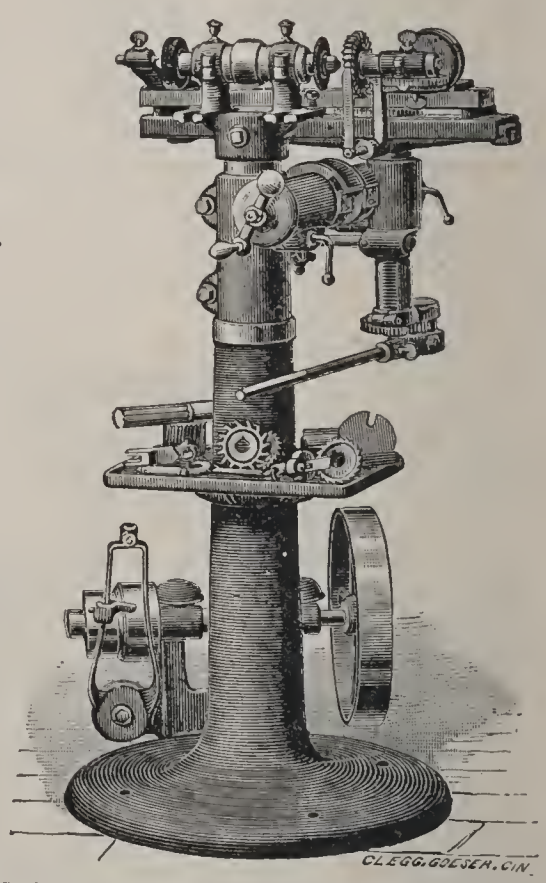
THE CINCINNATI MILLING MACHINE CO., CINCINNATI, O., U. S. A.



No. 3 Universal Milling Machine
Cable: *Avian*

Don't buy a
Milling Machine
Plain or Universal,
Light or Heavy,
or a
Universal Cutter
and
Reamer Grinder
Until you are convinced
Our Machines are of
Modern Design,
with more
New Features
than any other Make in the Market.

Workmanship
the
BEST.
Prices Moderate.



Universal Cutter and Reamer Grinder
Cable: *Avile*

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

W. J. Clark & Co., Salem, Ohio, U. S. A.

Cable Address: "Clark" Salem, Ohio.

Sheet and Plate Metal Workers,

Buckets, Tubs, Boxes, Pans, Troughs, Tanks, Pipes, Scoops, &c.

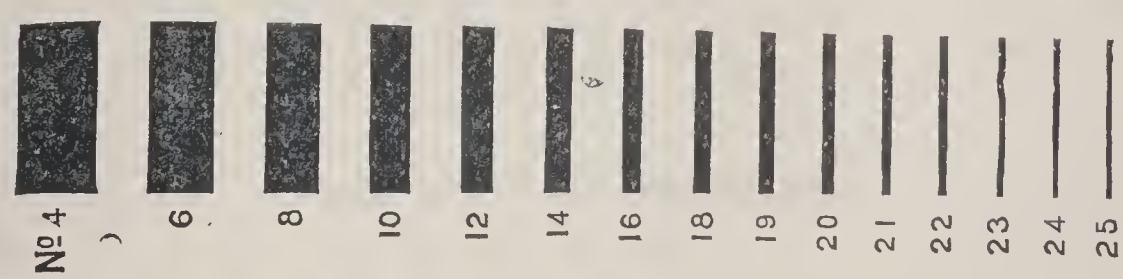
For Mills, Mines, Elevators, Warehouses, Refineries, Laboratories, Tanneries, Furnaces, Factories, &c.

Sole Manufacturers of

Salem Elevator Buckets

Which are made of light or heavy steel to suit the kind of work to be done by them. Parties ordering should state what the buckets are for, or name the gauge of metal preferred.

The following print shows the different gauges or thicknesses of metal used in "Salem" Buckets for the various purposes for which they are required



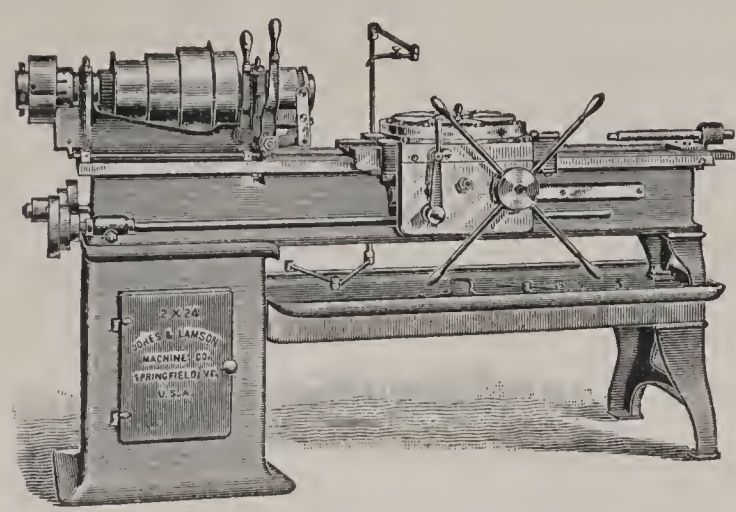
Besides the "Salem" pattern of bucket of which we carry stocks of all leading sizes, in strength suitable for flour mills and grain elevators, we make to order any pattern, size or strength that may be wanted.

PRICES NAMED ON APPLICATION.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

THE JONES & LAMSON MACHINE CO., SPRINGFIELD, VT., U. S. A.



Cable: *Avise.* 2 x 24 Flat Turret Lathe.

Screw Machines, Turret Lathes,

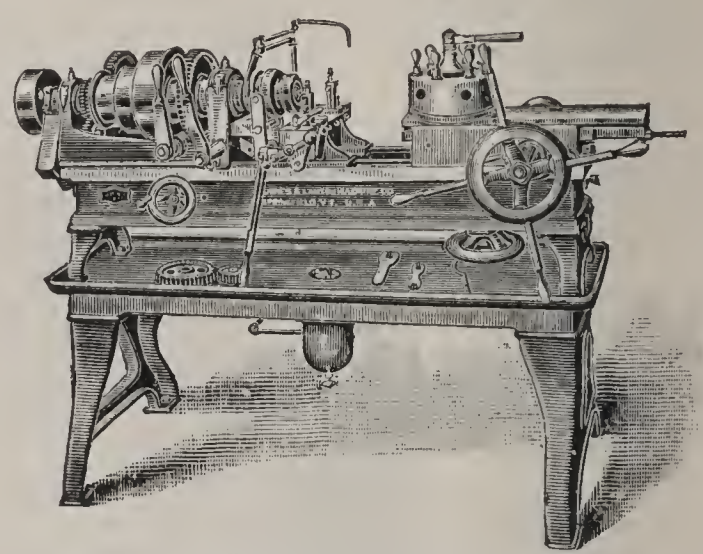
FLAT TURRET LATHES,

Chucking Lathes and Brass Monitors.

ROLLER FEED AND AUTOMATIC CHUCK.

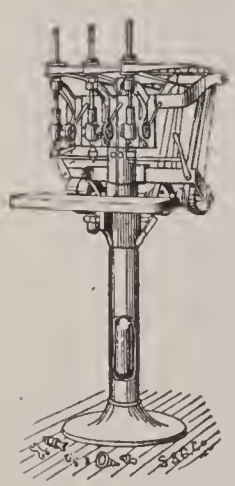
Taper Box Tool, Adjustable Hollow Mill, Clutch Holder for Dies, and small Tools of All Kinds.

SIZE OF MACHINE.	Spindle Hole.	Working Length.
4 x Screw Machine,	9-16	3
5 x " "	¾	4 ¾
6 x " "	1	5 ¾
7 x " "	1 5-16	10 ¼
8 x Pl " "	1 9-16	10 ¼
8 x BG " "	2 ⅛	10 ¼
11 x " "	2 ¾	13
12 x " "	3 ¼	15
11 Turret Lathe,	2 ¾	13
12 " "	3 ¼	15
1 Monitor,	1 9-16	10 ¼
2 "	1 5-16	10 ¼
3 "	1	5 ¾
4 "	¾	4 ¾
20 inch Chucking Lathe,	2	16
2 x 24 Flat Turret Lathe,	2 ⅛	24



8 x Screw Machine with Roller Feed and Automatic Chuck.

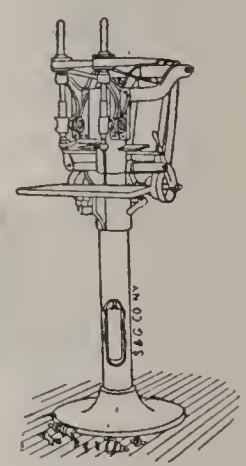
THE SIGOURNEY TOOL CO., HARTFORD, CONN., U. S. A.



MANUFACTURERS OF THE

SIGOURNEY DRILLS.

SENSITIVE AND STRONG.



Cable.		Will take Circular Work	Downward throw of Spindle.	Vertical Range of Table.	Diam. of Driving Pulleys.	Recommended Speed.	Price.
Avoke.....	One Spindle	12 in. diam.	2¼ in.	30 in.	4 in.	450	$90.00
Await.....	Two Spindle	13½ "	2¼ "	30 "	5 "	450	135.00
Awake.....	Three Spindle	18½ "	2¼ "	30 "	6 "	450	175.00

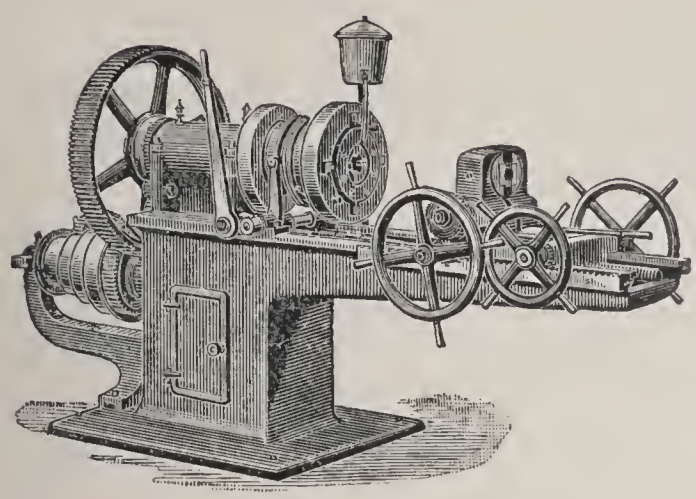
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Acme Machinery Co., Cleveland, Ohio, U.S.A.

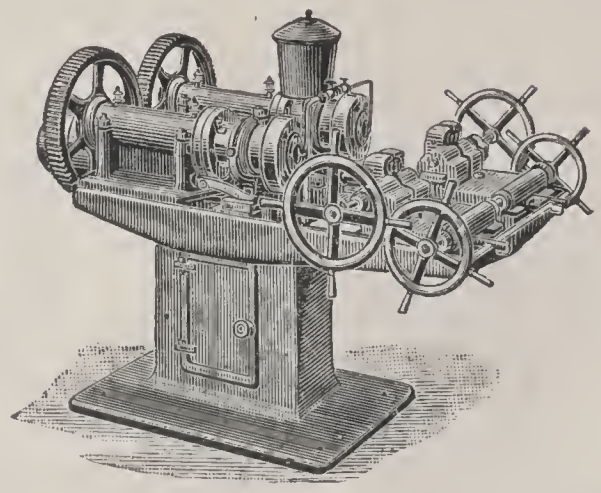
Manufacturers of

Bolt and Nut Machinery.



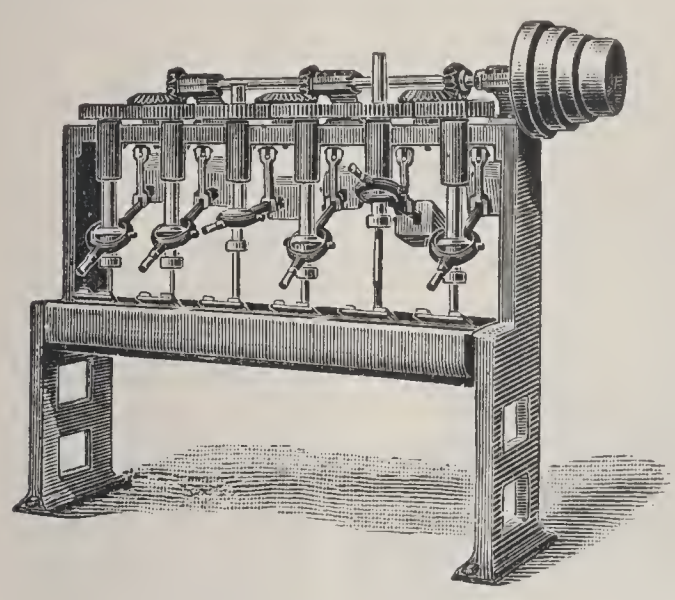
Single Head Bolt Cutter or Threader

of which we make a large variety for threading bolts and rods from one-quarter inch to six inches diameter, and for tapping nuts of same sizes.



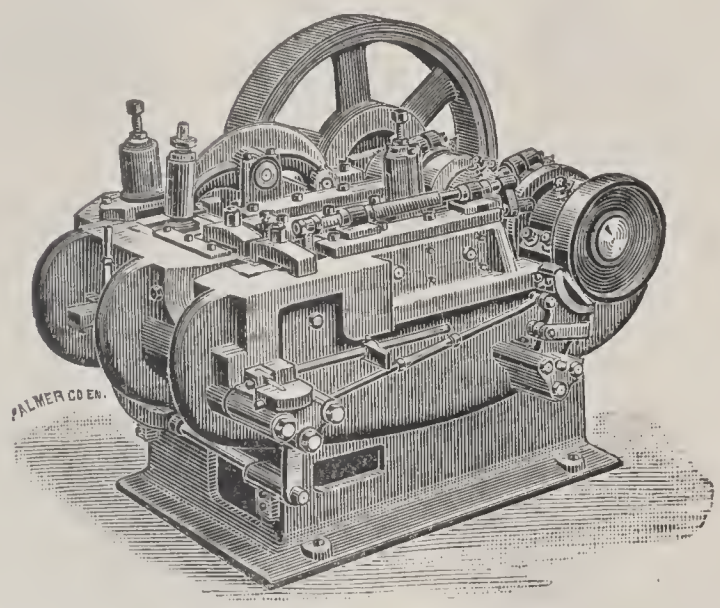
Double Headed Bolt Cutter or Threader

of which we make four different sizes for threading bolts and rods from one-quarter inch to two inches diameter; are also adapted for tapping nuts of same sizes.



Nut Tapping Machines

are either made with four spindles for tapping four nuts at a time, or with six spindles for tapping six nuts at a time from one-quarter inch to two inches.



Bolt and Rivet Heading and Forging Machine

of which we make four sizes, for making bolts and rivets, also a large variety of other work, like special forgings from one-quarter inch to two and one-half inches.

The workmanship on these machines is first-class; are so proportioned in design to stand hard service, and their superiority over all others is recognized by the mechanical public all over the United States and Canada, where there is hardly a factory without one or more of these machines.

Address all communications to the Company direct or to The Seeger & Guernsey Co.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

THE NORTON & JONES MACHINE TOOL WORKS,

PLAINVILLE, CONN., U. S. A.

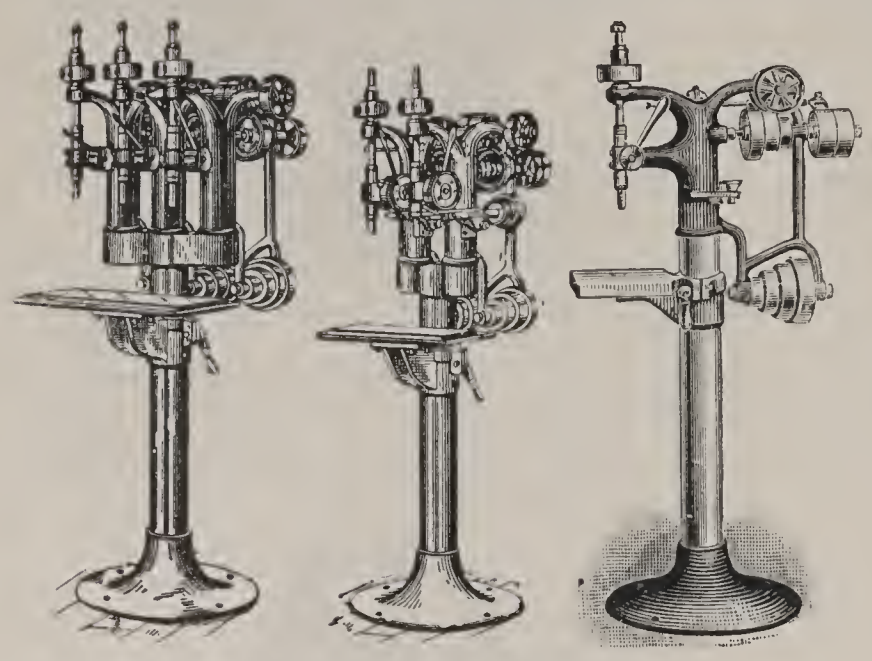
Manufacturers of

Machine Tools AND Special Machinery.

SPECIALTIES:

THE NORTON NEW AND IMPROVED UPRIGHT DRILLS,

For Rapid and Accurate Drilling.



We manufacture a large variety of Drills of this class with both hand and automatic power feed. All are interchangeable.

When ordered, we furnish any of the different styles of Chucks at the lowest price.

We deliver our goods free on board cars here in good shipping order for points in the United States.

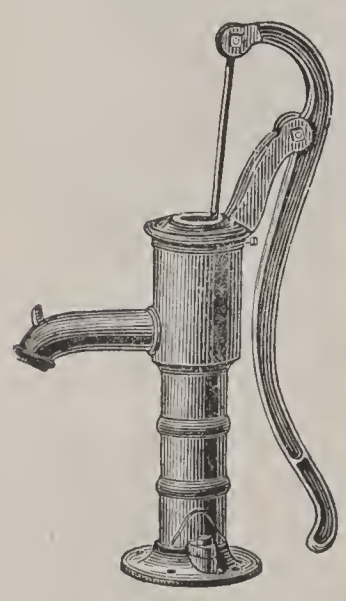
Special boxing for foreign shipment at cost, and delivered free in New York.

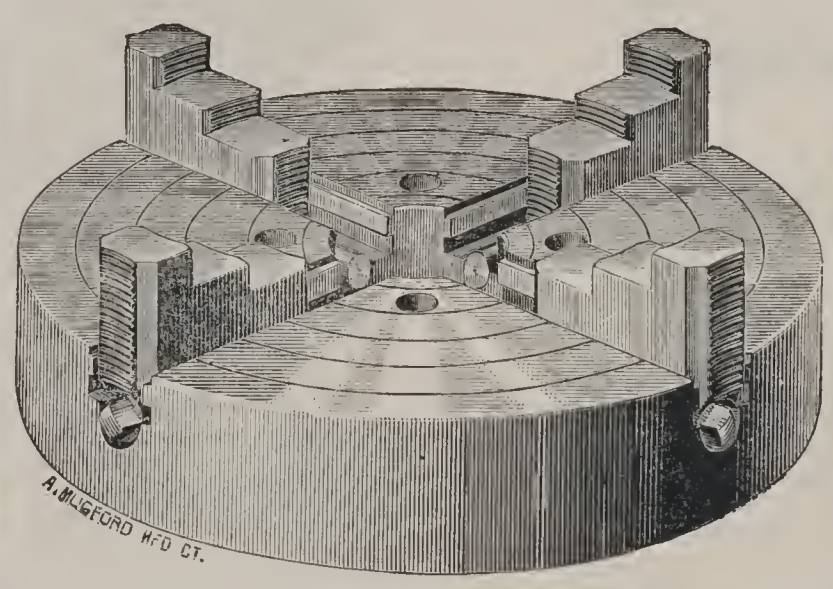
Circulars giving full description sent on application.

Also Manufacturers of Machines for Straightening and Cutting Wire.

Send for Circulars and Prices.

UNION MANUFACTURING CO., NEW BRITAIN, CONN.





We manufacture a full line of Lathe and Drill Chucks, in Combination Universal, Independent, Combination Reversible Jaw, &c. All Chucks of our manufacture are guaranteed in every particular.

Also a full line of Iron, Brass and Copper Pumps, Hydraulic Rams, &c., &c.

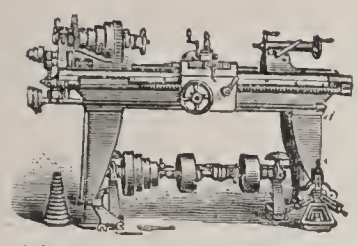
Write for Catalogue and prices on above.

WAREHOUSE: 103 CHAMBERS STREET, NEW YORK, U. S. A.

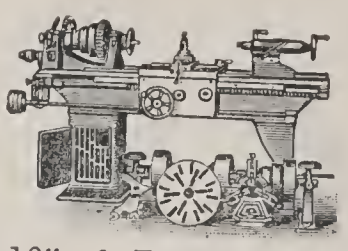
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

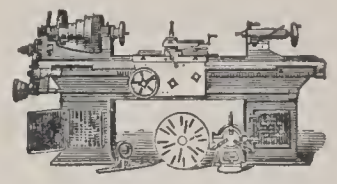
The Hendey Machine Co., Torrington, Conn.



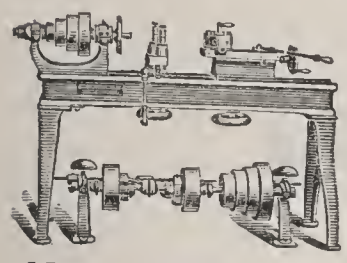
14″ × 6′ Engine Lathe.



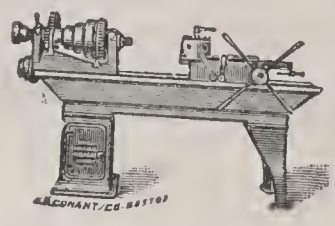
16″ × 6′ Engine Lathe.



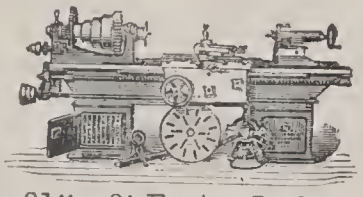
18″ × 8′ Engine Lathe.



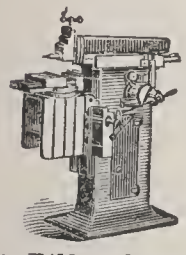
15″ × 5′ Turret Lathe.



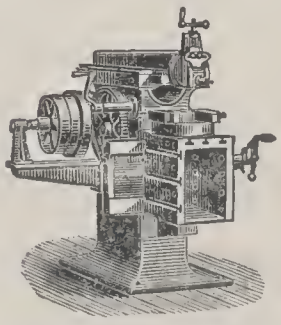
20″ × 6′ Chucking Lathe.



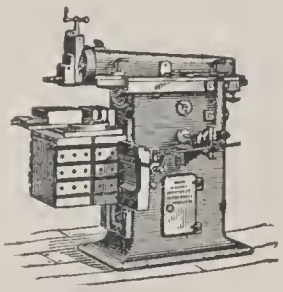
21″ × 8′ Engine Lathe.



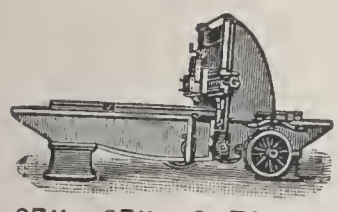
15″ Pillar Shaper.



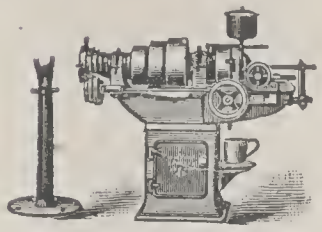
24″ Pillar Shaper.



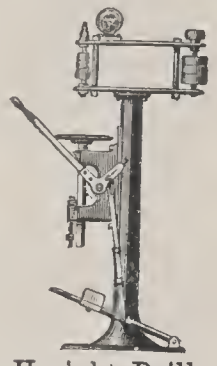
25″ Pillar Shaper.



27″ × 27″ × 8′ Planer.



2½″ Cutting-Off Machine.



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Machines for working Iron, Steel, Brass and other metals.

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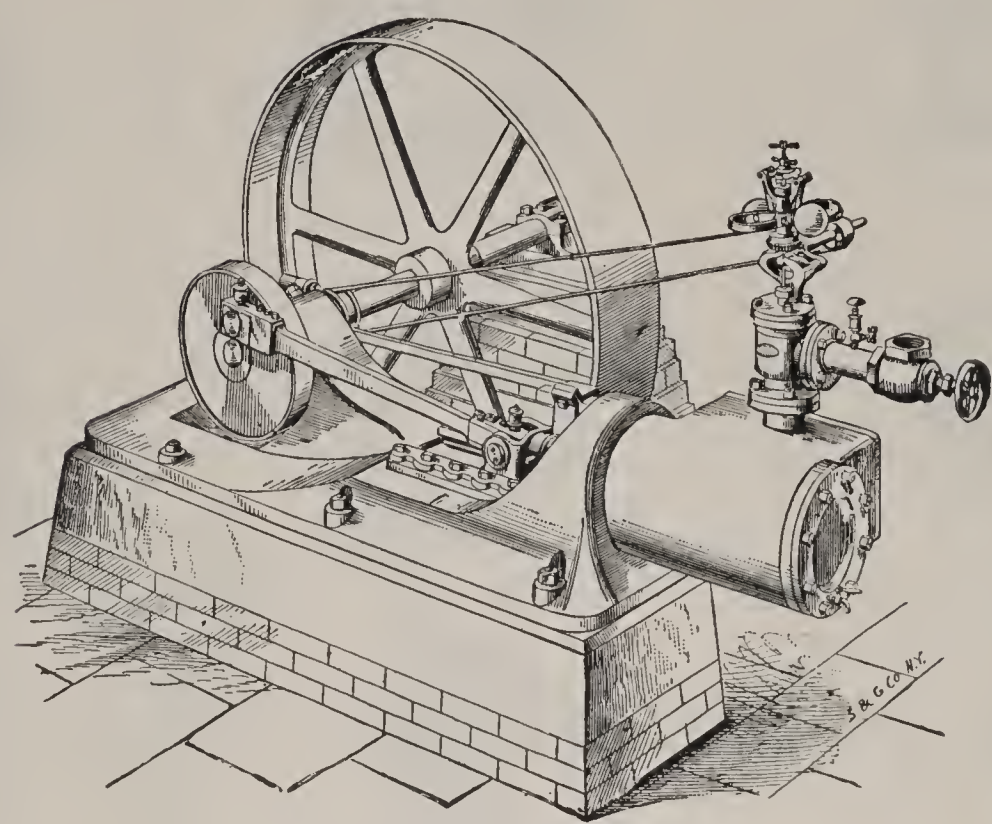
Send for one of our Catalogues and Price List. Address as above.

Established in 1870. Incorporated in 1874.



STATIONARY ENGINE.

All engines are furnished with governor, governor belt, throttle valve, all necessary oil cups and drip cocks, and are tested under steam until known to be perfect in every way. Price of engine complete does not include any foundation bolts, steam, water or exhaust pipes.

As the inspirator or injector is so rapidly taking the place of the old style pump and heater, and as customers almost invariably demand them, no provision is made for pump and heater on this style of engine, it being expected that a suitable inspirator will be attached to the boiler, used in connection with the engine.

RATING.

The table below shows *two* ratings, the lower being the old *nominal rating*, which is *less* than the *actual capacity* of the engines. The higher rating is the *effective* power at the highest speed specified with a steam pressure at cylinder of 80 lbs., per square inch.

NUMBER OF SIZE	Horse Power	CYLINDER		Revolutions Per Minute	Diam. Steam Pipe	Diam. Exhaust Pipe	FLY WHEEL		Length Shaft Inches	Weight Complete Pounds
		Diam.	Stroke				Diam. Inches	Face Inches		
1	10-17	7	10	180-225	1½	2	40	8	54	1,700
2	15-24	8	12	165-200	2	2½	42	9	60	2,100
3	20-30	9	12	165-200	2	2½	54	12	60	2,750
4	25-37	10	12	165-200	2½	3	54	13	72	3,200
5	30-42	10	15	140-180	2½	3	60	14	72	3,650
6	35-51	11	16	140-170	3	3½	66	14	72	4,850
7	40-65	12	18	120-160	3	3½	84	16	87	6,800

Engines are always speeded at the lowest number of revolutions given above, unless otherwise ordered. We can furnish right hand engines *only* of above style.

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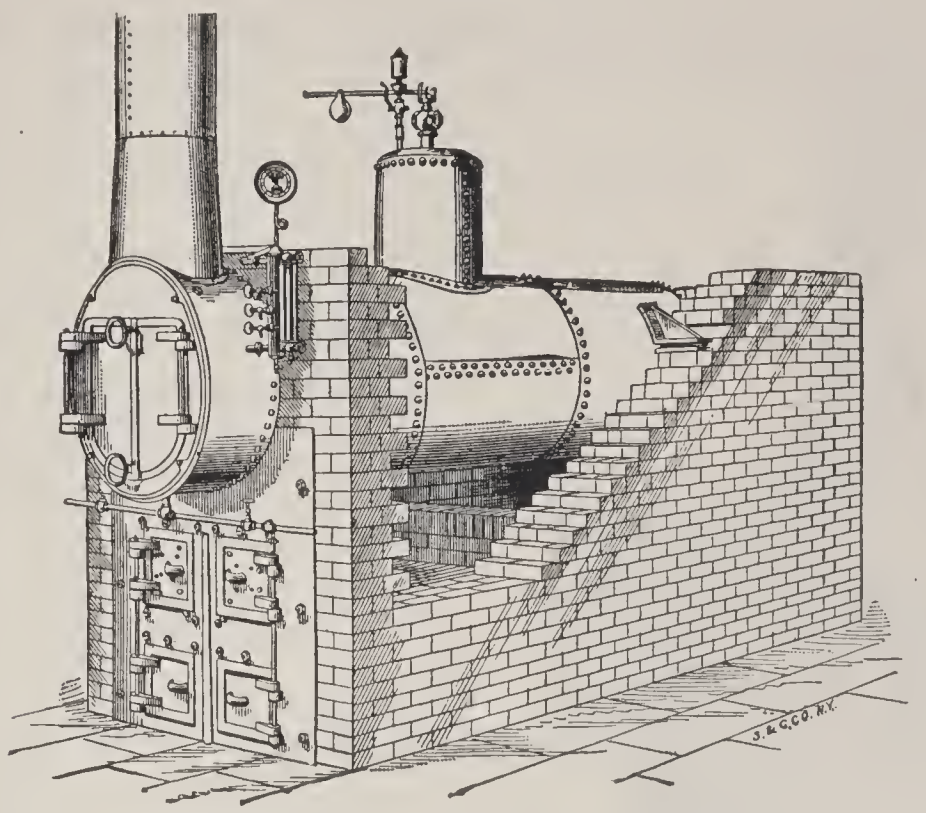

HORIZONTAL TUBULAR BOILER.

ARCH FRONT.

SPECIFICATIONS.

Number of Size.	Rated Horse Power.	Diameter of Boiler, inches.	Thickness of Iron in Shell of Boiler.	Thickness of Heads.	Length of Tubes, feet.	Number of Tubes (3 inches in diam.)	Diameter of Dome, inches.	Height of Dome, inches.	Diameter of Smoke Stack, inches.	Length of Smoke Stack, feet.	Weight of Boiler without fixtures, pounds.	Weight of Boiler and fixtures (arch f't).	Weight of Boiler and fixtures, (flush f't).
1	10	30	1-4	3-8	8	20	18	20	13	28	1,800	3,200	4,200
2	12	30	1-4	3-8	9½	22	18	20	14	30	2,200	3,700	4,800
3	15	36	1-4	3-8	8	28	20	22	16	32	2,400	4,200	5,400
4	20	36	1-4	3-8	10	30	20	22	16	32	2,900	4,800	5,900
5	25	42	No. 3	3-8	10	40	22	24	19	40	4,100	6,600	8,100
6	30	44	No. 3	3-8	10	46	22	24	20	42	4,400	7,300	8,600
7	35	44	No. 3	3-8	12	46	22	24	20	42	4,900	7,800	9,100
8	40	44	No. 3	3-8	14	46	22	24	20	42	5,500	8,500	9,800
9	45	48	5-16	3-8	14	54	26	28	22	46	6,800	10,200	11,900
10	50	54	5-16	3-8	12	68	30	34	25	50	7,400	11,700	13,100
11	60	60	11-32	7-16	12	82	32	36	27	56	8,900	14,300	16,200
12	70	60	11-32	7-16	14	82	32	36	27	56	10,000	15,500	17,400
12½	80	60	11-32	7-16	16	82	32	36	27	60	11,150	16,500	18,400
13	80	62	11-32	7-16	14	96	32	36	29	60	10,900	16,700	18,500
14	90	64	11-32	7-16	14	108	36	40	31	60	11,900	17,800	19,800
15	100	66	3-8	1-2	14	118	36	40	32	60	13,000	19,100	21,200

Previous to shipment every boiler is tested with water and steam and is subjected to a hydrostatic pressure of 150 lbs. to the square inch.

Grates suitable for burning saw dust or coal dust will be substituted for regular grates, when ordered, without extra charge.

Prices for above boilers *without fixtures*, include nothing but naked boiler, with lugs, man hole and hand hole plates and smoke stack base.

We wish to call attention to our method of supporting above boilers, viz.: by means of four (except No. 12½, which has six) cast lugs or brackets, riveted to shell, which lugs (with intervening rollers, allowing for expansion and contraction of boiler) rest on wall plates to be imbedded in masonry. **Other manufacturers charge extra for these lugs.** If more than four lugs are desired they will be charged extra.

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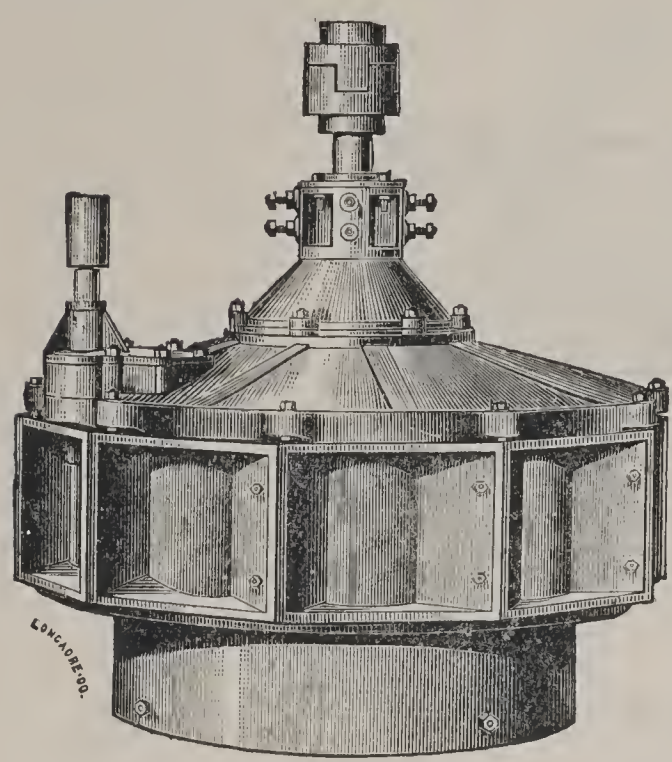

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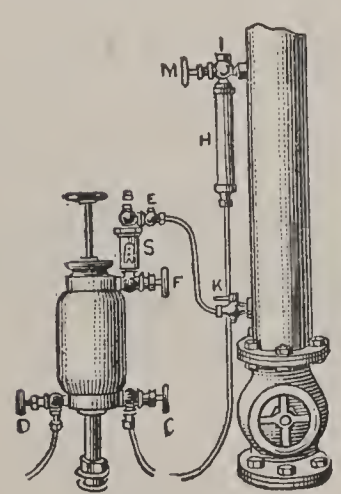
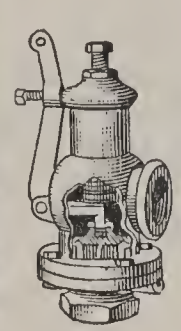
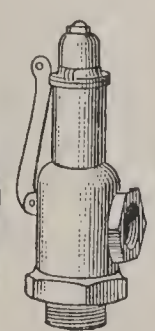


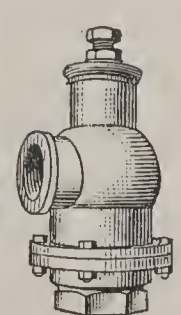
Sight Feed Lubricator.



Stationery Valve

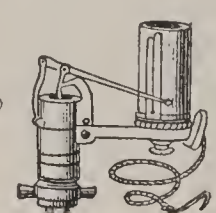


Yacht Valve

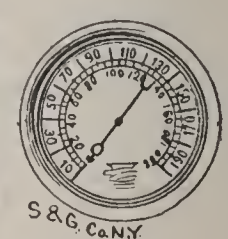


Water Relief Valve

Chime Whistle



Steam Engine Indicator



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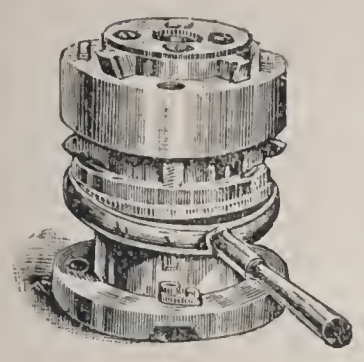

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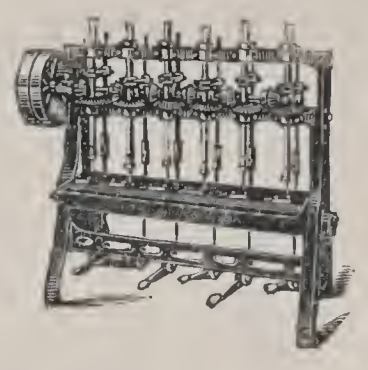

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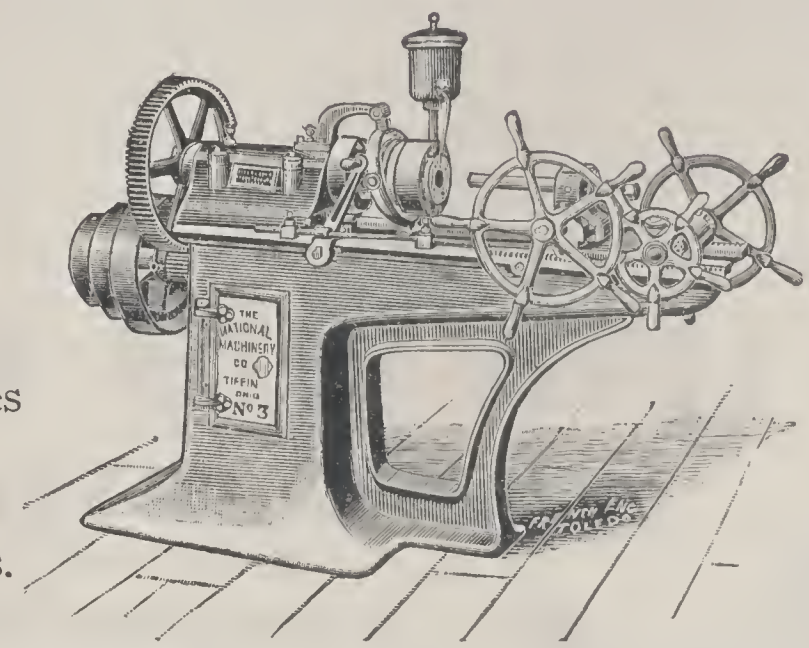

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Awing	1	¼ inch to 1 inch	1400 lbs.
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Axile	4	½ " " 2 "	2700 "
Axiom	5	¾ " " 2½ "	3100 "
Axled	6	1 " " 3 "	3600 "
Axman	7	1 " " 3½ "	4100 "
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Azoic	Double	⅜ " " 1½ "	2500 "
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Eared	3	10	x	12	275 " 325	48 x 10½	3½	4	45— 60
Early	*4	10	x	14	225 " 275	54 x 10½	3½	4	50— 65
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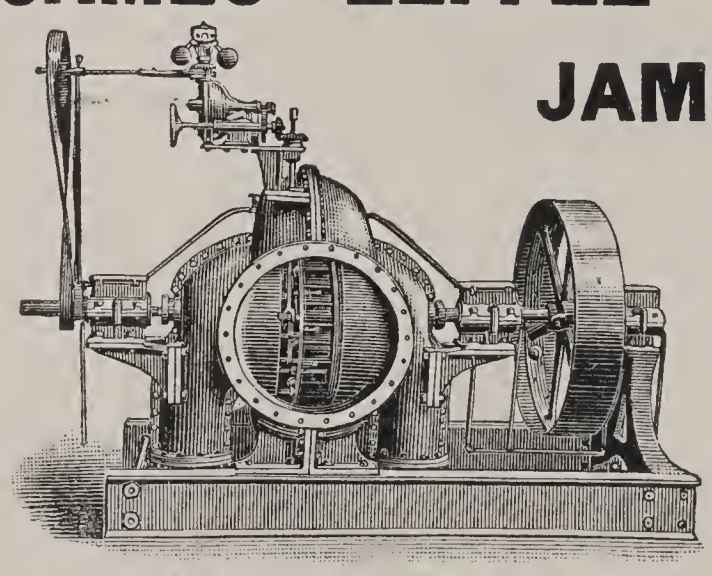

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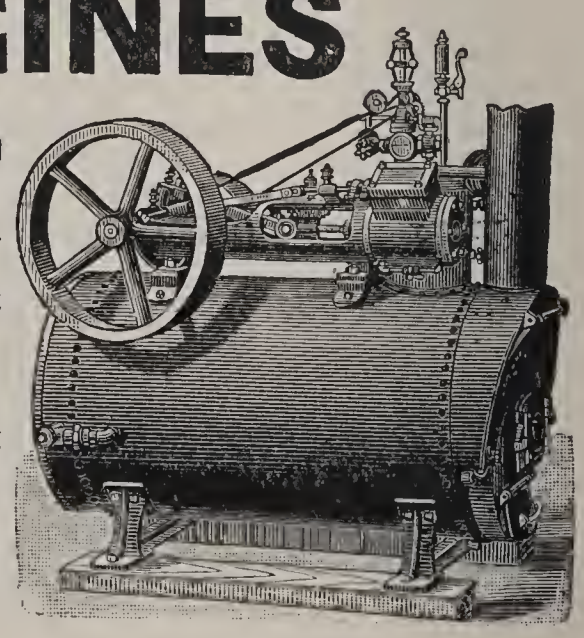

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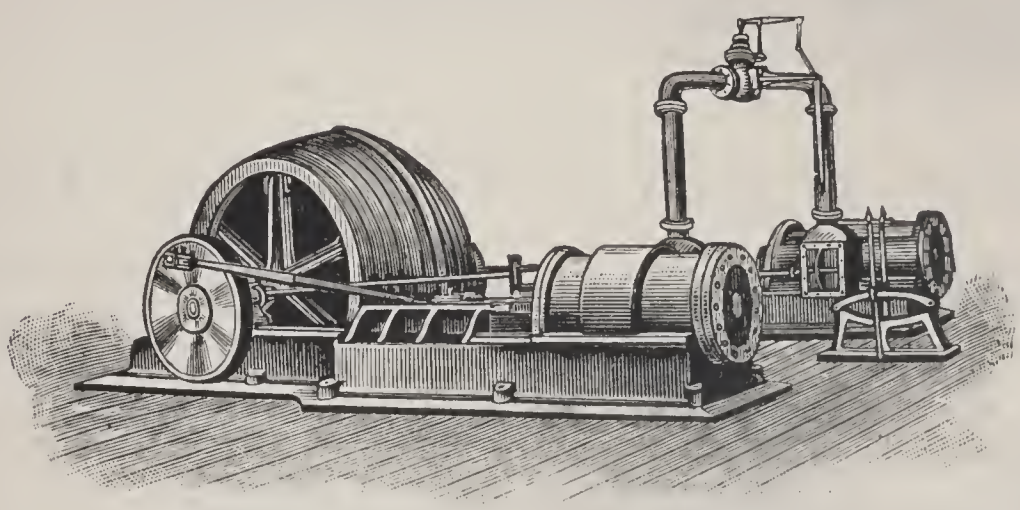

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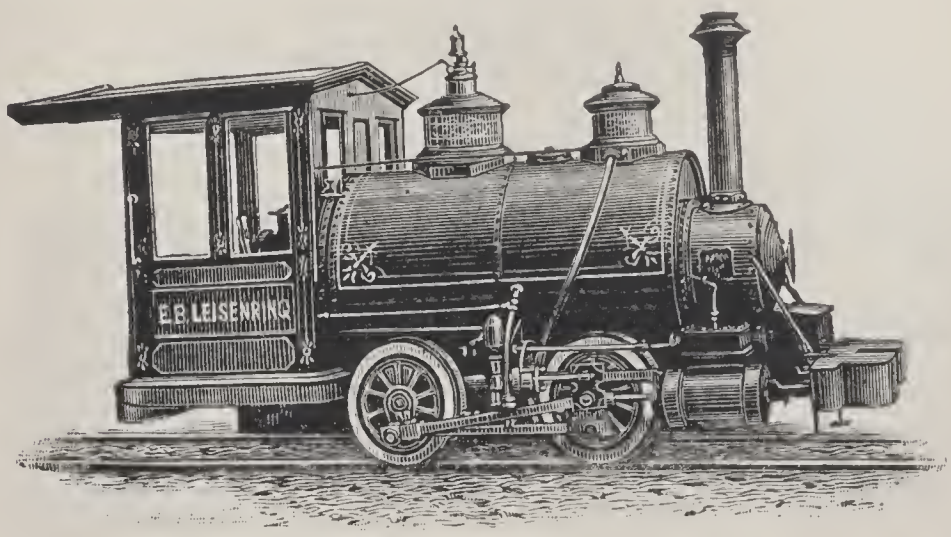

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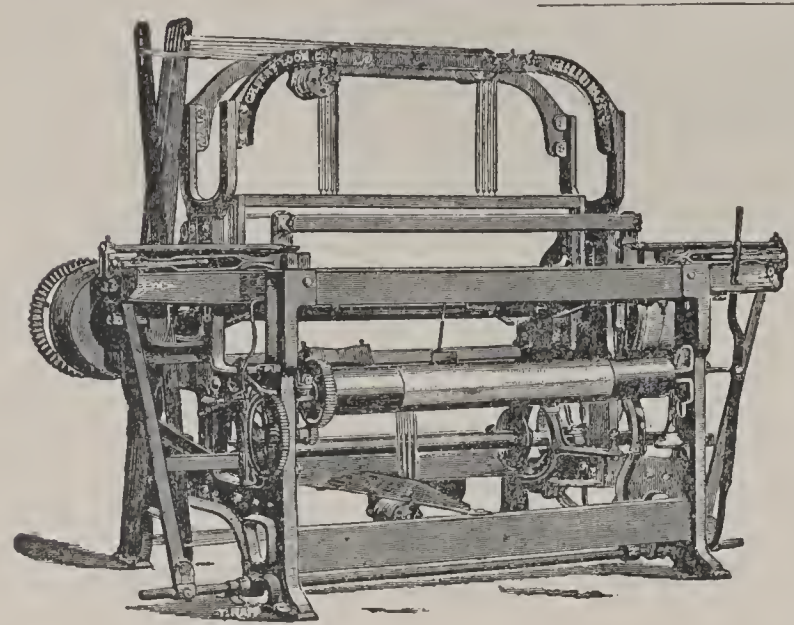

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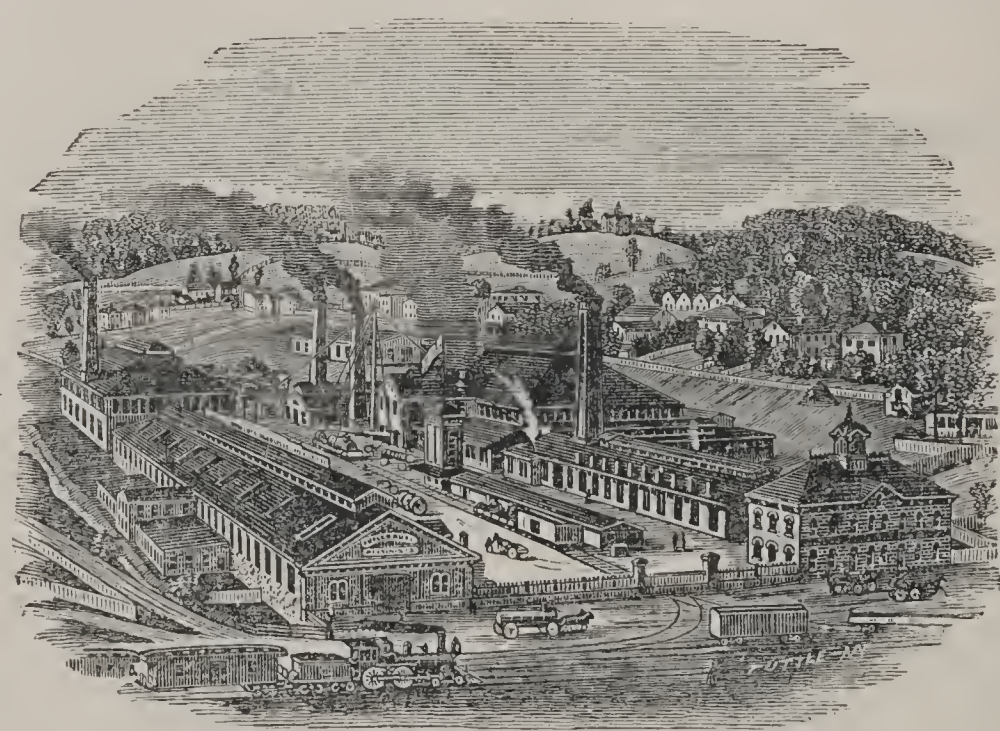

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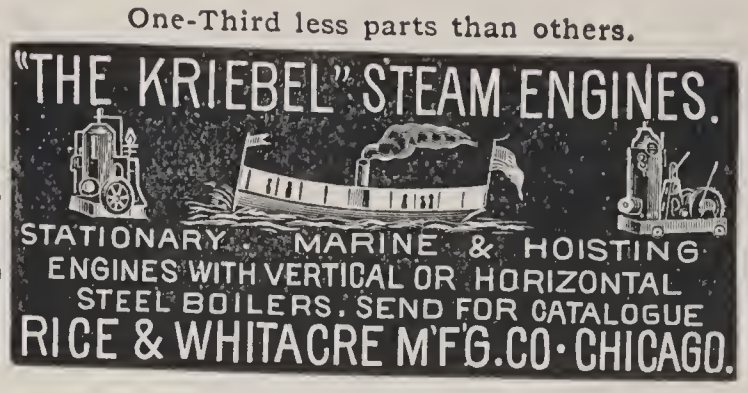

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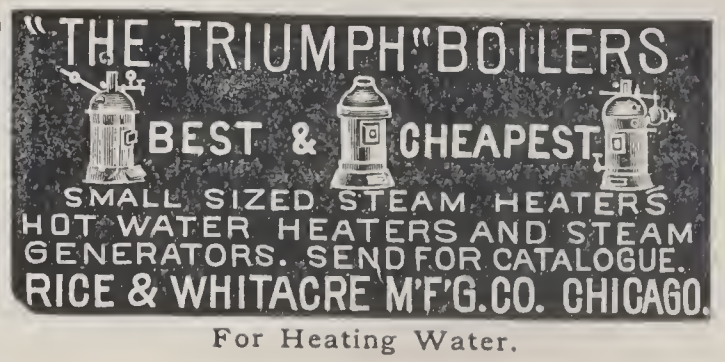

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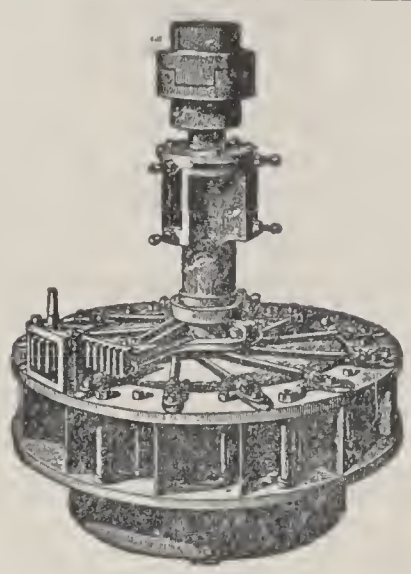
The Old Reliable

Guaranteeing more power and using less water than any other turbine, and giving a larger percentage of power at partial gate than any other turbine.



Leffel Water Wheel.

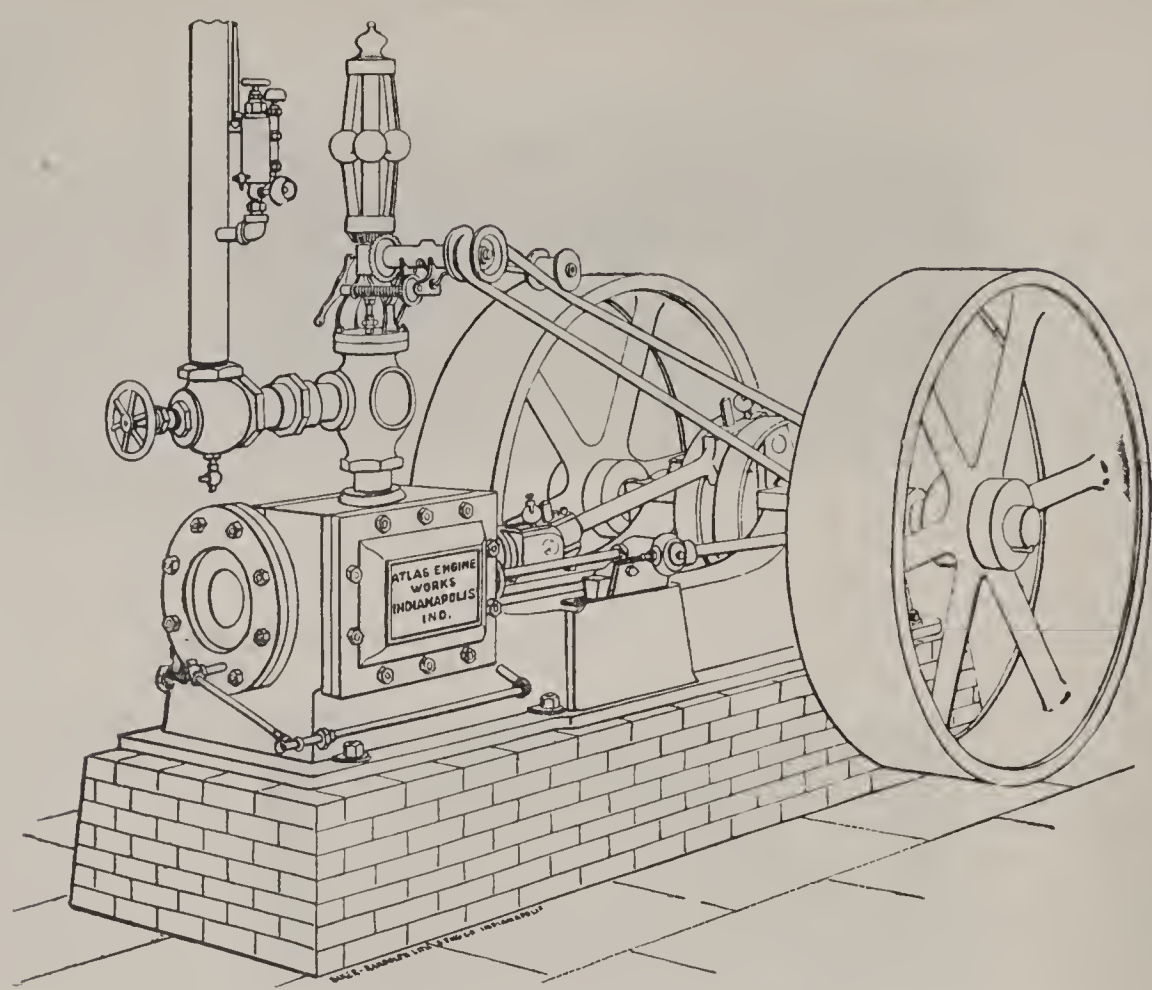
Suitable for heads of from 3 to 300 feet. Special wheels with horizontal shafts for high heads.

Send for Illustrated Catalogue.

Horse power developed by each wheel under different heads. Net prices, F. O. B., NEW YORK.

Cable.		5 Ft. Head.	10 Ft. Head.	15 Ft. Head.	20 Ft. Head.	25 Ft. Head.	30 Ft. Head.	35 Ft. Head.	40 Ft. Head.	PRICE.
Andria ..	10 in Wheel	¾	2	3½	5½	8	10½	13	16	$120 00
Cadmea .	13¼ " "	1	3½	6½	10	14	18	23	28	125 00
Cleopatra	15¼ " "	1½	4½	8	13	18	24	30	37	110 00
Diana ...	17½ " "	2	6	11	17	24	31	39½	48	120 00
Etruria .	20 " "	3	8	14½	22½	31½	41	52	64	175 00
Faustina	23 " "	3½	10½	19½	30	42	55	69½	85	190 00
Fidena ..	26½ " "	4¾	14	25	39	54½	72	90½	110½	225 00
Fortuna .	30½ " "	6½	18	34	52	73	96	121	147½	255 00
Geneva ..	35 " "	8½	24	44½	68½	96	126	159	194	285 00
Helena ..	40 " "	11	32	58½	90	126	186	209	255	340 00
Ionia	44 " "	16	46	84½	130	182	239½	302	368	375 00
Irene	48 " "	22	62	114	175½	245½	323	407	497	440 00
Medusa ..	52 " "	27½	78	143½	221	309	406	512½	629	565 00
Olympia .	56 " "	31	88	161	249	348	449½	580	702	635 00
Taurica .	61 " "	37¾	107	196½	303	423	556½	701½	857	715 00
Valeria ..	66 " "	44	125½	231	355½	497	653	823½	1000	825 00
Vestalia .	74 " "	51	145½	267	411½	578	761	958	1170½	1055 00
Virginia	87 " "	76½	216	397	612	850	1118	1409	1720	1405 00

Atlas Engine Works, Indianapolis, Ind.



PLAIN SELF-CONTAINED ENGINE—CLASS A.

Estimate No.	Dimensions of Cylinder		Rated Horse Power	Standard Revs. per minute	Two Band Wheels		Diam. of main shaft Inches	Diam. of Steam Pipe Inches	Diam. of Exhaust Pipe Inches	Floor Space Approximate				Shipping weight Pounds
	Diam. Inches	Stroke Inches			Diam. Inches	Width of Belt Inches				Length		Width		
										Ft.	In.	Ft.	In.	
7 A	7	10	10	200	40	7	2 15-16	1½	2	7	0	3	8	1,800
8 A	8	10	15	200	40	7	2 15-16	2	2½	7	0	3	8	1,800
9 A	9	12	20	185	42	9	3 7-16	2	3	7	9	4	8	3,200
10 A	10	12	25	185	42	9	3 7-16	2½	3½	7	9	4	8	3,200
11 A	11	14	30	170	48	12	4½	2½	3½	9	2	5	7	4,500
12 A	12	14	40	170	48	12	4½	3	4	9	2	5	7	4,500

Each Engine is furnished with wrought iron main shaft, two band wheels, governor, governor belt, stop valve, automatic sight feed cylinder lubricator and connections, oil can, oil cups, wrenches and cylinder drain pipes and valves.

Combinations with Horizontal Tubular Boilers.

Estimate Number	Plain Self-Contained Engine				Horizontal Tubular Boiler			Distance Between centre of Engine and centre of Boiler Feet	Shipping Weight Pounds
	Diam. Cylinder Inches	Length of Stroke Inches	Rated Horse Power	Standard Revs. per Minute	Diam. of Shell Inches	Length of Tubes Feet	Rated Horse Power		
7 A L	7	10	10	200	36	8	15	9	5,800
8 A L	8	10	15	200	36	8	15	9	5,900
9 A L	9	12	20	185	36	10	20	9	7,800
10 A L	10	12	25	185	36	12	25	9	8,400
11 A L	11	14	30	170	42	12	35	9	11,000
12 A L	12	14	40	170	48	12	45	10	12,500

Standard estimates, described above, include: Plain Self-contained Engine with wrought iron main shaft, two band wheels, governor, governor belt, stop valve, automatic sight feed cylinder lubricator and connections, oil can, oil cups, wrenches and cylinder drain pipes and valves.

Horizontal Tubular Boiler with dome, smoke box extension, smoke head door and stack saddle, fire front (class B) grate bars, bearing bars, back stand, back arch plates, safety valve, steam gage and siphon, glass water gage and gage cocks, check valve, stop valve, blow-off cock, whistle, smoke stack and guy rods.

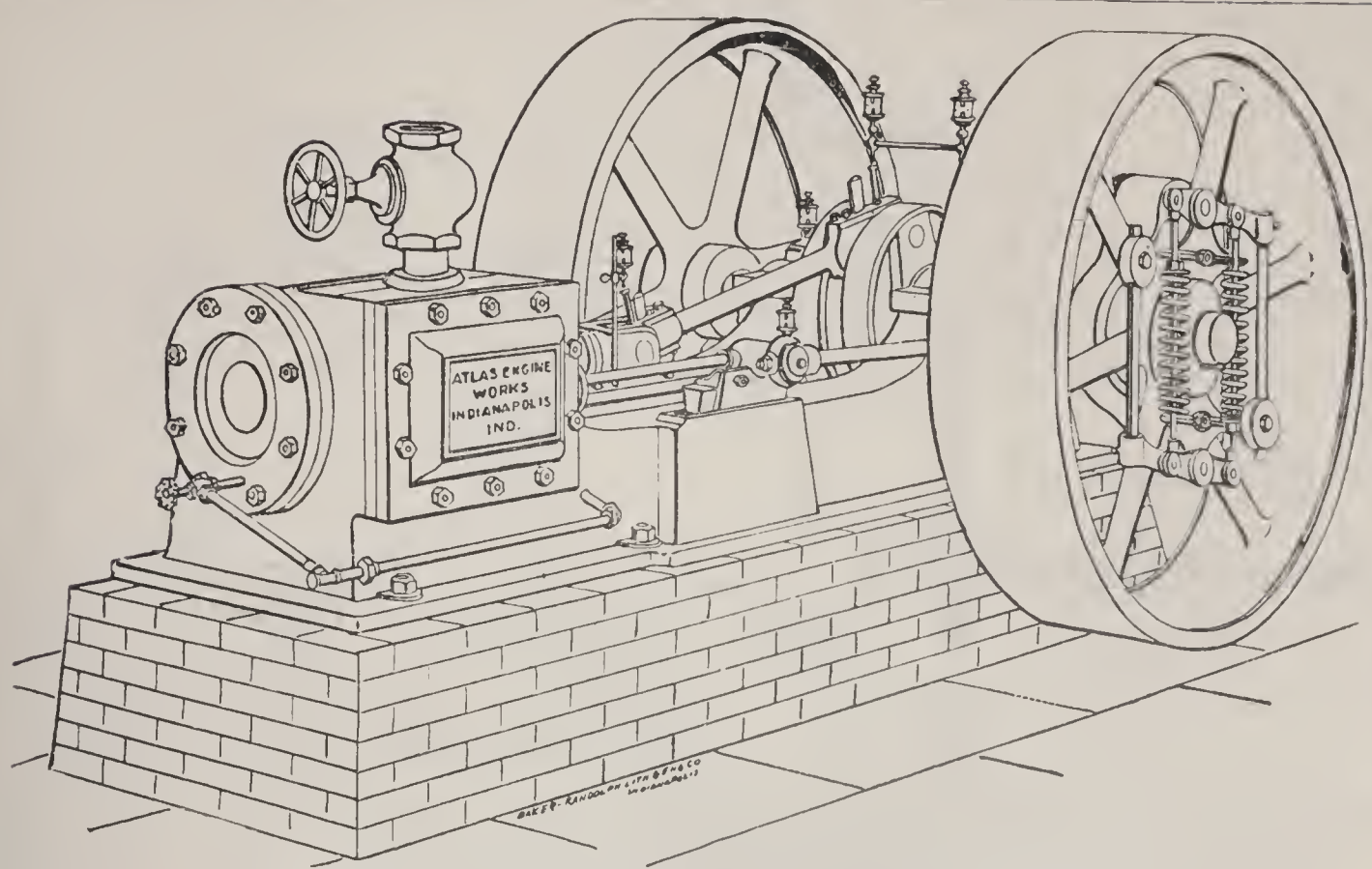
Two injectors with connections to boiler, and not exceeding thirty-five feet of discharge pipe, steam pipe connecting engine and boiler, and fifteen feet of exhaust pipe.

NOTE.

Everything furnished with the above outfits is particularly mentioned in the specifications. Anything else ordered will be charged for extra.

The two injectors furnished with these engine and boiler outfits are so arranged that either or both may be used; each being of ample capacity to feed the proper size boiler to generate steam for the engine, leaving one injector free to be used in case of accident or increased demand upon the boiler. Foundation bolts and bars for engines will be furnished, if desired and charged for extra. Independent domes can be substituted for Fixed domes on any of the above boilers, if desired, without extra charge. Boilers can be furnished without domes, if desired. Dry pipes, if ordered, can be furnished for boilers without domes.

Atlas Engine Works, Indianapolis, Ind.



AUTOMATIC SELF-CONTAINED ENGINE. CLASS B.

Estimate No.	Dimensions of Cylinder		Rated Horse Power	Standard Revs. per minute	Two Band Wheels		Diam. of main shaft Inches	Diam. of Steam Pipe Inches	Diam. of Exhaust Pipe Inches	Floor Space Approximate				Shipping weight Pounds
	Diam. Inches	Stroke Inches			Diam. Inches	Width of Belt Inches				Length		Width		
										Ft.	In.	Ft.	In.	
7 B	7	10	18	240	40	7	2 15-16	1½	2	7	0	3	8	1,900
8 B	8	10	24	240	40	7	2 15-16	2	2½	7	0	3	8	1,900
9 B	9	12	35	225	42	9	3 7-16	2	3	7	9	4	8	3,400
10 B	10	12	43	225	42	9	3 7-16	2½	3½	7	9	4	8	3,400
11 B	11	14	53	200	48	12	4½	2½	3½	9	2	5	7	4,800
12 B	12	14	65	200	48	12	4½	3	4	9	2	5	7	4,800

Each Engine is furnished with wrought iron main shaft, two band wheels, automatic shaft governor, balanced slide valve, stop valve, automatic sight feed cylinder lubricator and connections, bracket wipe oilers for cross head pin and crank pin, drip oiler for eccentric, and special oilers for main bearings, valve cross head and main cross head guide caps, oil can, wrenches and cylinder drain pipes and valves.

Combinations with Horizontal Tubular Boilers.

Estimate Number	Automatic Self-Contained Engine				Horizontal Tubular Boiler			Distance Between centre of Engine and centre of Boiler Feet	Shipping Weight Pounds
	Diam. Cylinder Inches	Length of Stroke Inches	Rated Horse Power	Standard Revs. per Minute	Diam. of Shell Inches	Length of Tubes Feet	Rated Horse Power		
7 B L	7	10	18	240	36	10	20	9	6,400
8 B L	8	10	24	240	36	12	25	9	7,000
9 B L	9	12	35	225	42	12	35	9	9,700
10 B L	10	12	43	225	48	12	45	10	11,200
11 B M	11	14	53	200	54	14	60	10	15,500
12 B M	12	14	65	200	60	14	75	11	18,000

Standard estimates described above, include: Automatic Self-Contained Engine with wrought iron main shaft, two band wheels, automatic shaft governor, balanced slide valve, stop valve, automatic sight feed cylinder lubricator and connections, bracket wipe oilers for cross head pin and crank pin, drip oiler for eccentric, and special oilers for main bearings, valve cross head and main cross head guide caps, oil can, wrenches and cylinder drain pipes and valves.

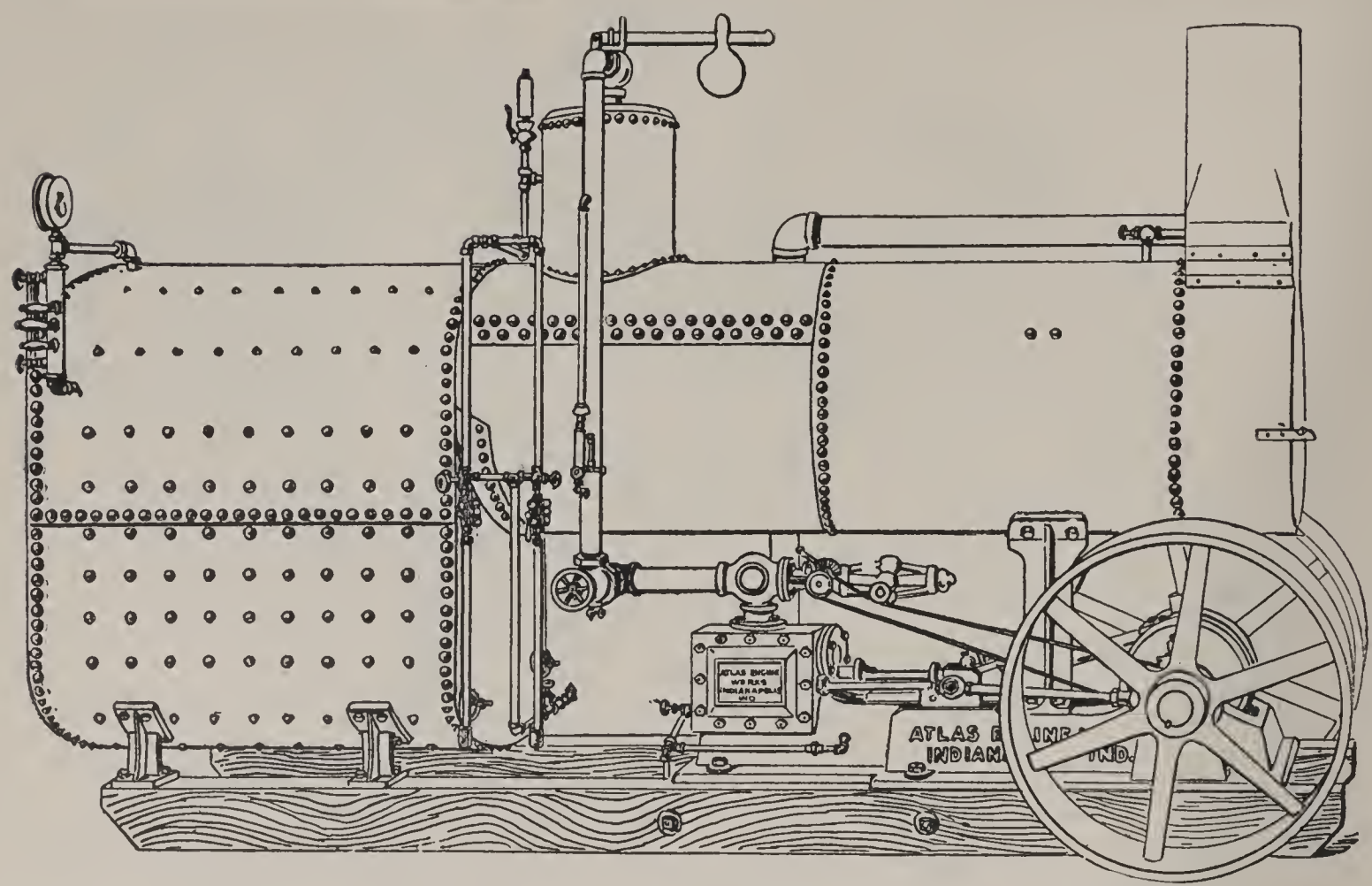
Horizontal Tubular Boiler with dome, smoke box extension, smoke head door and stack saddle, fire front, grate bars, bearing bars, back arch plates, safety valve, steam gage and siphon, glass water gage and gage cocks, check valve, stop valve, blow-off cock, whistle, smoke stack and guy rods.

Two injectors with connections to boiler, and not exceeding thirty-five feet of discharge pipe, steam pipe connecting engine and boiler, and fifteen feet of exhaust pipe.

NOTE.

The two injectors furnished with these engine and boiler outfits are so arranged that either or both may be used; each being of ample capacity to feed the proper size boiler to generate steam for the engine, leaving one injector free to be used in case of accident or increased demand upon the boiler. Foundation bolts and bars for engines will be furnished, if desired, and charged for extra. The fire fronts furnished with boilers, ranging in diameter from 36 inches to 48 inches, will be class B fronts, and with boilers 52 inches and greater in diameter, class C fronts. With boilers from 36 inches to 48 inches in diameter, back stands will be furnished. On larger sizes, cast wings will be riveted on the shells of the boilers, for their support. Boilers 52 inches, and greater in diameter, will be furnished with independent domes, unless otherwise ordered Independent domes can be substituted for Fixed domes on any of the above boilers, if desired, without extra charge. Boilers can be furnished without domes, if desired. Dry pipes, if ordered, can be furnished for boilers without domes.

Atlas Engine Works, Indianapolis, Ind.



PLAIN SELF-CONTAINED UNDER OUTFIT—ON SKIDS. CLASS A R.

Estimate Number	Plain Self-Contained Engine				Locomotive Boiler				Shipping Weight Pounds
	Diameter Cylinder Inches	Length of stroke Inches	Rated Horse Power	Standard Revs. per minute	Diameter of Shell Inches	Length over all Ft.	In.	Rated Horse Power	
7 A R	7	10	10	200	28	9	5	10	5,000
8 A R	8	10	15	200	32	11	0	15	6,200
9 A R	9	12	20	185	34	12	8	20	9,400
10 A R	10	12	25	185	36	14	0	25	10,600
11 A R	11	14	30	170	40	15	2	30	12,800
12 A R	12	14	40	170	42	16	4	40	15,100

Standard estimates, described above, include: Plain Self-Contained Engine with wrought iron main shaft, two band wheels, governor, governor belt, stop valve, automatic sight feed cylinder lubricator and connections, oil can, oil cups, wrenches and cylinder drain pipes and valves.

Locomotive Boiler on skids, with dome, grate bars, safety valve, steam gage and siphon, glass water gage and gage cocks, check valve, stop valve, blow-off cock, whistle, smoke stack and guy rods.

Two injectors with connections to boiler, steam pipe connecting engine and boiler, and exhaust pipe.

Engine is fixed on the skids under the barrel of the boiler.

NOTE.

Everything furnished with the above outfits is particularly mentioned in the specifications. Anything else ordered will be charged for extra.

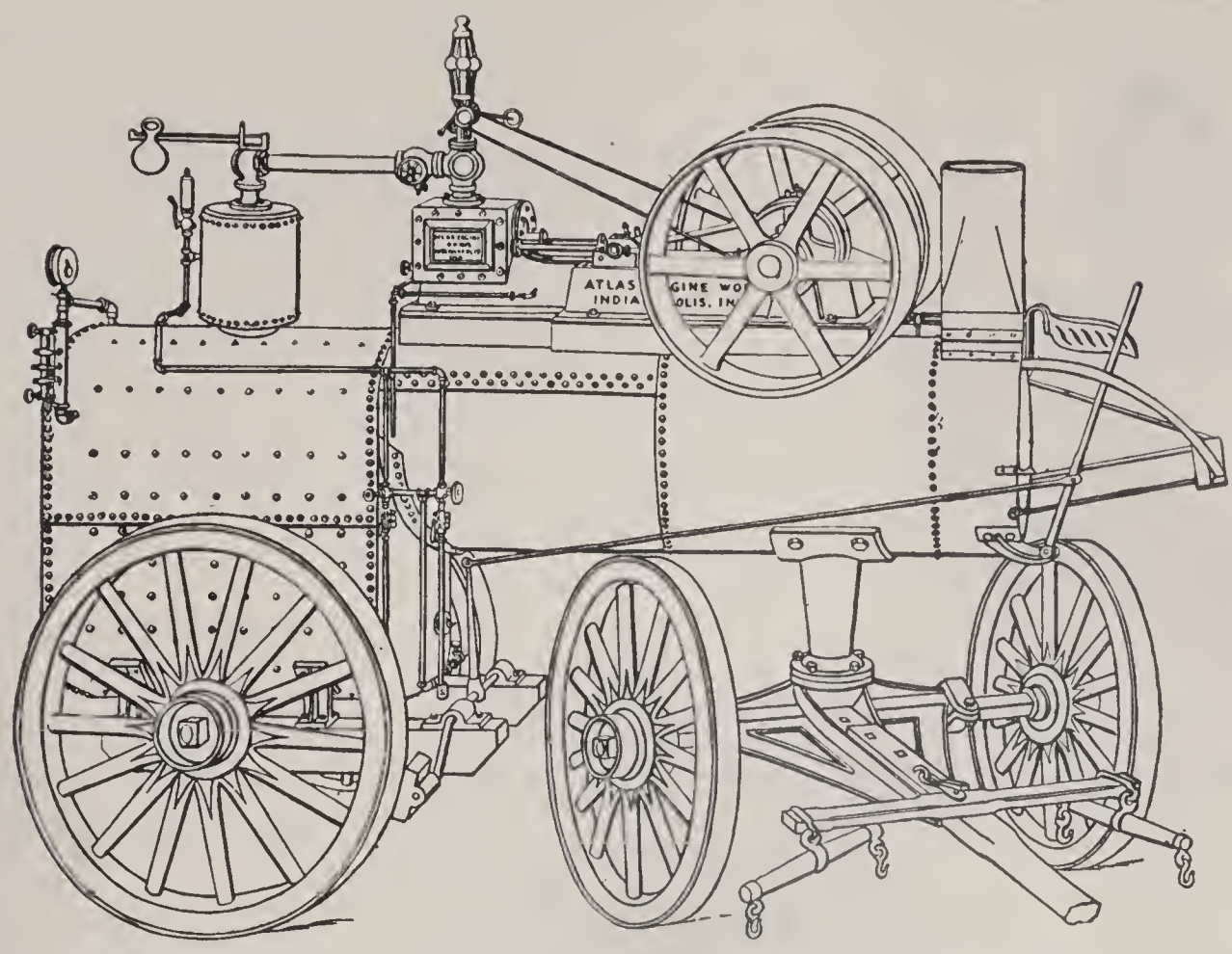
The two injectors furnished with these engine and boiler outfits are so arranged that either or both may be used; each being of ample capacity to feed the proper size boiler to generate steam for the engine, leaving one injector free to be used in case of accident or increased demand upon the boiler.

The above specifications refer to Plain Engines. We are prepared to furnish Automatic Self-Contained Engines, combined with same type of Boilers, in same manner, if desired.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

Atlas Engine Works, Indianapolis, Ind.



PLAIN SELF-CONTAINED OVER OUTFIT—ON WHEELS. CLASS A U.

Estimate Number	Plain Self-Contained Engine				Locomotive Boiler				Shipping Weight Pounds
	Diameter Cylinder Inches	Length of stroke Inches	Rated Horse Power	Standard Revs. per minute	Diameter of Shell Inches	Length over all Ft.	In.	Rated Horse Power	
7 A U	7	10	10	200	28	9	5	10	6,700
8 A U	8	10	15	200	32	11	0	15	8,000
9 A U	9	12	20	185	34	12	8	20	11,500
10 A U	10	12	25	185	36	14	0	25	13,100
11 A U	11	14	30	170	40	15	2	30	15,600
12 A U	12	14	40	170	42	16	4	40	18,100

Standard estimates, described above, include: Plain Self-Contained Engine with wrought iron main shaft, two band wheels, governor, governor belt, stop valve, automatic sight feed cylinder lubricator and connections, oil can, oil cups, wrenches and cylinder drain pipes and valves.

Locomotive Boiler on skids, with dome, grate bars, safety valve, steam gage and siphon, glass water gage and gage cocks, check valve, stop valve, blow-off cock, whistle, smoke stack and guy rods.

Two injectors with connections to boiler, steam pipe connecting engine and boiler, and exhaust pipe.

Engine is fixed on top, over the barrel of the Boiler, and the entire outfit is mounted on wheels.

NOTE.

Everything furnished with the above outfits is particularly mentioned in the specifications. Anything else ordered will be charged for extra.

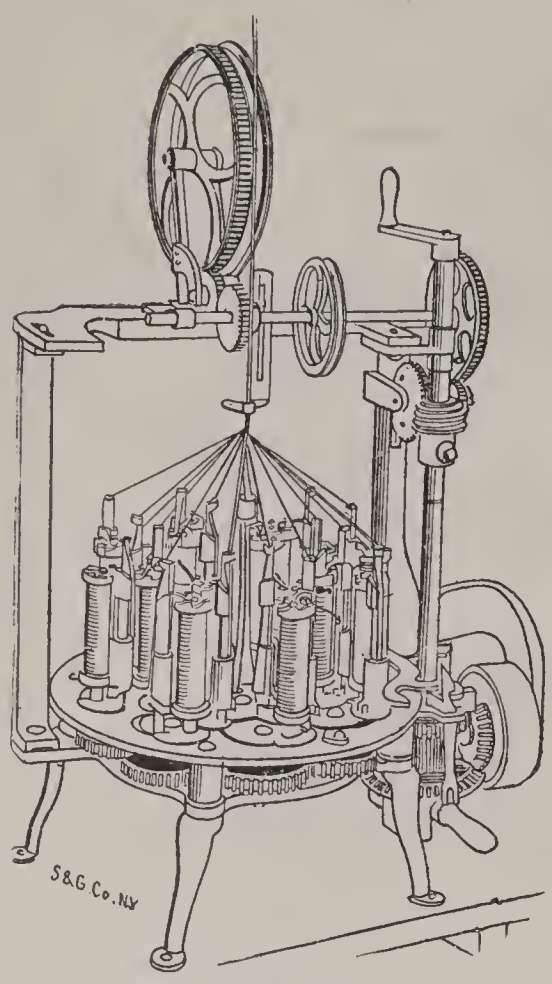
The two injectors furnished with these engine and boiler outfits are so arranged that either or both may be used; each being of ample capacity to feed the proper size boiler to generate steam for the engine, leaving one injector free to be used in case of accident or increased demand upon the boiler.

The above specifications refer to Plain Engines. We are prepared to furnish Automatic Self-Contained Engines, combined with same type of Boilers, in same manner, if desired.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

NEW ENGLAND BUTT CO., PROVIDENCE, R. I., U. S. A.



No. 16 Carrier Large Gear Braider.

MANUFACTURERS OF

Braiding Machinery,

For covering Telegraph, Telephone and Electric Light Wire.

Large Single and Double Braiders for covering Cables.

Single, Double and Triple Winders.

Horizontal and Upright Taping Machines.

Cabling Machines, Measuring Machines, Stranding Machines Etc.

FINE CASTINGS A SPECIALTY.

AMERICAN CARD CLOTHING CO.,

Office, Knowles Building, Worcester, Mass.

MANUFACTURERS OF

CARD CLOTHING

OF EVERY DESCRIPTION.

SURFACE GROUND OR NEEDLE POINT.

FACTORIES AT

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Estimates Furnished and Orders Promptly Filled at Each Factory.

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THE SEEGER & GUERNSEY CO., NEW YORK.

FLINT & WALLING MFG. CO., KENDALLVILLE, IND., U. S. A.

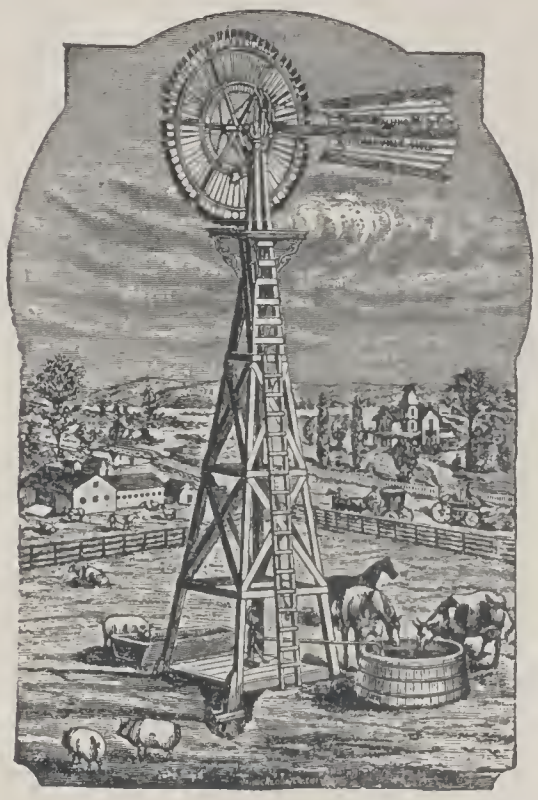
Established 1865. Incorporated 1886.

SOLE MANUFACTURERS OF

Star Wind Engines,

Ranch and Water Works Supplies, Pumps, Force and Lift. Full line Tubular Well Machinery and Supplies. Working Barrels for Deep Well Pumps, Hay Presses, Wind Mills, Self Regulating, 10, 12, 14, 16, 18, 20, 24 and 26 feet wheels.

Brass Goods,
Iron, Brass and
Brass Lined
Cylinders,
Steam Pumps,
Special Deep
Well Pumps.



Lawn Sprinklers,
Rubber Hose,
and Hose Goods,
Iron Pipe and
Fittings, etc.,
New Hoosier
Anti-Freezing
Hydrants.

POINTS OF INTEREST.

The following table may serve to explain in a brief manner several points of interest about our "Star Wind Mill." It should be borne in mind the power and number of revolutions of a wind wheel vary; this table is based on a good strong wind.

Cable	Diameter	Length of Stroke	Revolutions per minute	Wind Surface	Horse Power	Shipping Weight
Elder	10 ft.	5 ins.	40	78 sq. ft.	¾ to 1	400 lbs.
Elect	12 "	6 "	35	117 "	1 to 1½	700 "
Elegy	14 "	8 "	30	161 "	1½ to 2½	1000 "
Elemi	16 "	10 "	25	186 "	2½ to 3½	1400 "

These are the sizes for Farm Pumping. Inquiries concerning larger sizes will be answered on application.

Special attention given to Export Orders.

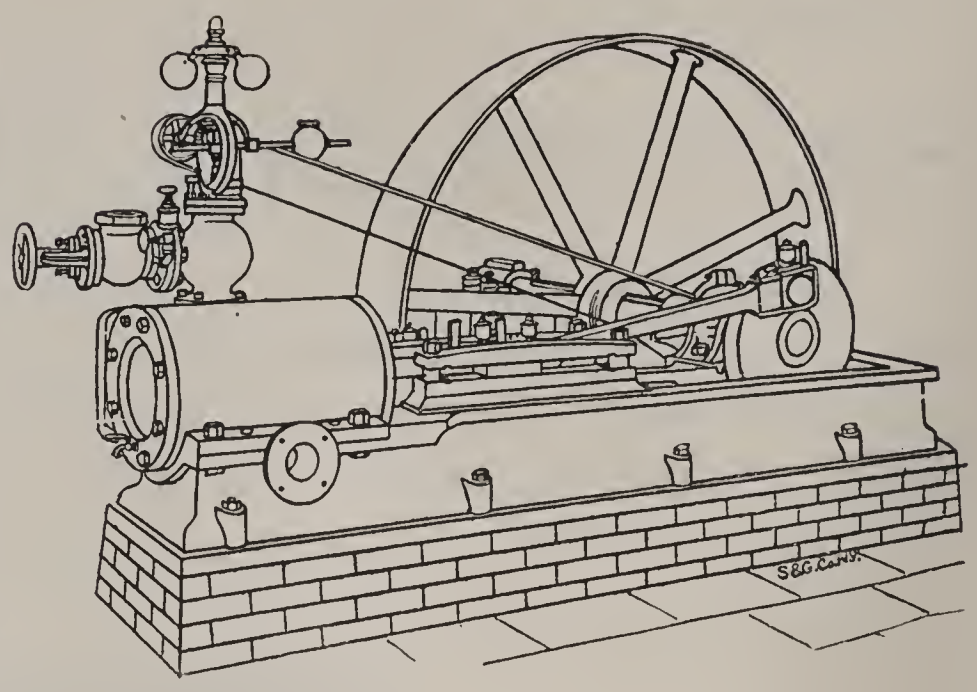
Send for catalogue and prices giving full information.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

SPECIFICATIONS OF STATIONARY ENGINES.

Number of Size	5	6	7	8	9	9½	10	11	12	13	14	15
Horse Power, as usually rated	30	40	45	50	55	55	65	90	100	125	150	200
Usual number of revolutions	140	150	160	150	125	150	150	125	125	125	125	125
Diam. of cylinder by length of stroke ....in inches	10x15	10x20	12x15	12x18	12x24	14x16	14x18	14x30	16x24	18x24	20x24	20x30
Diam. of steam pipe .... "	2½	2½	3	3	3	3½	3½	3½	4	4½	5	6
Diam. of exhaust pipe .... "	3½	3½	4	4	4	4½	4½	4½	5	6	6	7
Diam. of balance wheel pulley .... "	72	96	78	96	96	78	96	120	96	96	96	120
Face of balance wheel pulley .... "	15	15	15	15	15	15	15	17	17	19	19	21
Weight of balance wheel pulley in the rough	1200	1750	1650	1850	2500	1650	2500	4600	3150	3500	3500	5000
Diam. of shaft .... in inches	3⅞	4⅝	4⅝	4⅞	5⅝	4⅞	5⅝	6¼	6½	7	8	8
Diam. of wrist pin .... "	2½	2½	3	3	3	3½	3½	3½	4	4½	5	5
Length of shaft from center of engine ....in feet	6	7	6	7	7	7	7	8	8	8	8	8
Length of bed frame .... "	8½	11½	8½	10¼	13⅓	9⅞	10¼	16⅛	13¼	13¼	13¼	17
Width of bed frame .... in inches	19½	22	19½	23	25	23	23	29	27½	27½	27½	31
Length of Journals .... "	8½	9½	9	12	12	10	12	12½	13½	13½	15	15
Weight, complete, without pump and heater ...about	4400	7100	5200	7100	10000	7700	9000	16000	13000	14500	17000	21000



STATIONARY ENGINES.

Our Stationary Engines, shown in the above engraving, are made with jacketed cylinders, locomotive slides, and steel piston and valve rods and wrist pins. The beds are heavy, the wearing surfaces large, and all working parts are strong and well-proportioned. All fly-wheels and pulleys are turned and balanced.

The "Engine complete, as per list," includes the Balance Wheel Pulley, Force Pump, Heater, Automatic Stop Governor, Throttle Valve, Sight-Feed Lubricator, and all necessary Oil Cups, Cylinder and Air Bibbs.

The steam and water pipes, exhaust pipe, foundation bolts and governor belt are subject to order, and are charged extra.

If order calls for engine with pump, we send a direct-acting pump driven from cross-head with Nos. 5, 7 and 9½; and with other sizes a plunger pump with counter-shaft. The heater, when ordered, is attached to engine bed.

In ordering, state whether right or left hand engine is wanted. The engraving shows a left hand engine.

FLY-WHEELS AND SMALL PULLEYS FOR ABOVE ENGINES.

Substituted for the Regular Balance Wheel Pulley when so ordered, at the additional price.

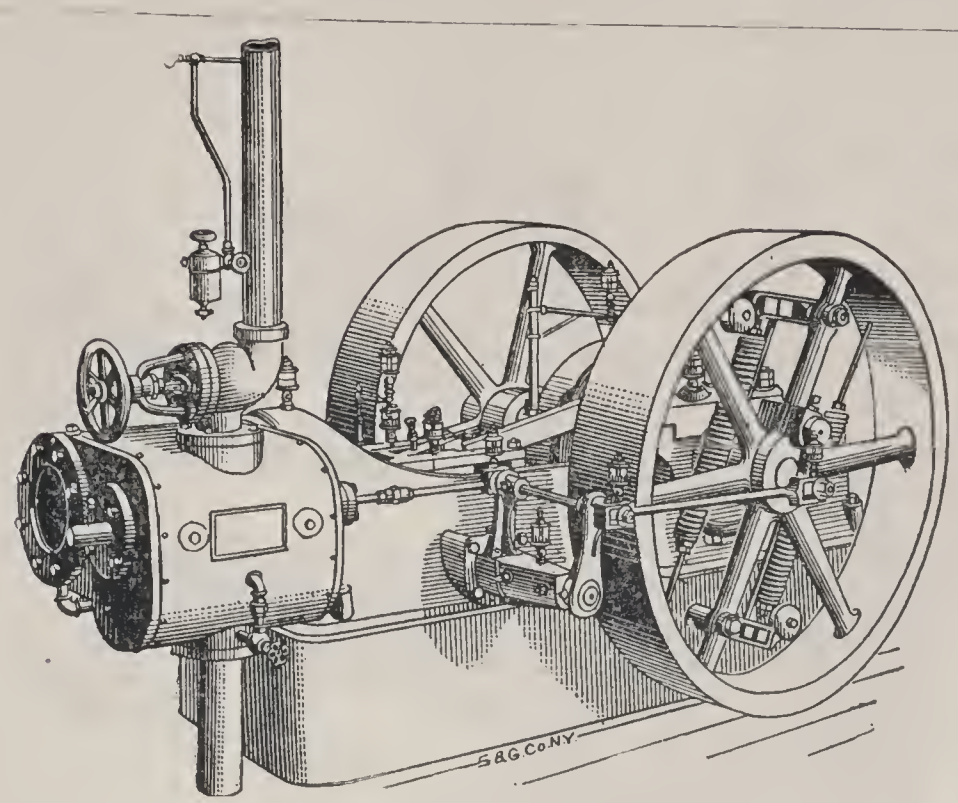
Diameter of fly-wheel .... in inches	84	108	86	108	110	108	110	122	120	120	122	122
Weight of fly-wheel in the rough	1200	2000	1600	2000	2500	2000	2500	4100	3100	3600	4100	4600
Diameter of small pulley .... in inches	42	48	42	48	60	42	48	60	60	60	60	60
Face of small pulley .... "	12½	15	15	15	15	15	15	17	17	19	21	21
Weight of small pulley in the rough	450	700	500	700	1000	500	700	1050	1050	1100	1200	1200

Every Engine is thoroughly tested under steam before it leaves our shops.

JAMES BEGGS & CO., AGENTS,

9 DEY STREET, NEW YORK.

Erie City Iron Works, Erie, Pa.



AUTOMATIC CUT-OFF ENGINES.

Our automatic cut-off engines, illustrated above, are made from entirely new designs and patterns. The beds are well proportioned and very strong, and are provided with patent pillow blocks with an improved form of gib, to allow for taking up the wear. The gib is adjusted by a set screw tapped through the solid bed, and provided on its inner end by ball and socket joint, to allow for perfect adjustment.

The steam chest is made detachable from the cylinder. The valve is large and simple in its construction, is provided with water grooves for packing, is accurately fitted and perfectly balanced.

The governor is very sensitive and insures close regulation. The eccentric rod is driven from an eccentric pin instead of eccentric and strap.

The rocker is made with a take-up gib on one side, and has two strong arms through which a steel shaft is passed.

The engine is well built and well proportioned throughout, and careful tests prove it to be one of the best high speed engines now on the market. Every engine is thoroughly tested under steam; the valves adjusted by indicator, and the regulation assured by autograph recording instruments.

SPECIFICATIONS OF AUTOMATIC CUT-OFF ENGINES.

Number of Engine	1	2	3	4	5	6	7	8
Size of Engine.....inches	8 x 10	9 x 10	10 x 12	11 x 12	12 x 12	13 x 12	14 x 14	15 x 14
No. of revolutions per minute...	300	300	275	275	275	275	250	250
Rated H. P. (at 40 lbs. M. E. P.)..	30	38	50	62	75	87	107	123
Diam. of steam pipe.....inches	2½	3	3½	3½	4	4½	5	5
Diam. of Exhaust pipe... "	3½	3½	4	4½	4½	5	6	6
Diam. shaft and crank pin "	3½	3½	4¼	4¼	4¾	4¾	5½	5½
Size of both pulleys..... "	48 x 9½	48 x 9½	54 x 10½	54 x 10½	54 x 12½	54 x 12½	60 x 14½	60 x 14½
Floor space occupied..... "	90 x 55	90 x 55	114 x 66	114 x 66	114 x 75	114 x 75	126 x 80	126 x 80
Weight.....about	5,700	5,800	7,300	7,600	9,900	10,400	14,500	15,000

FIXTURES.

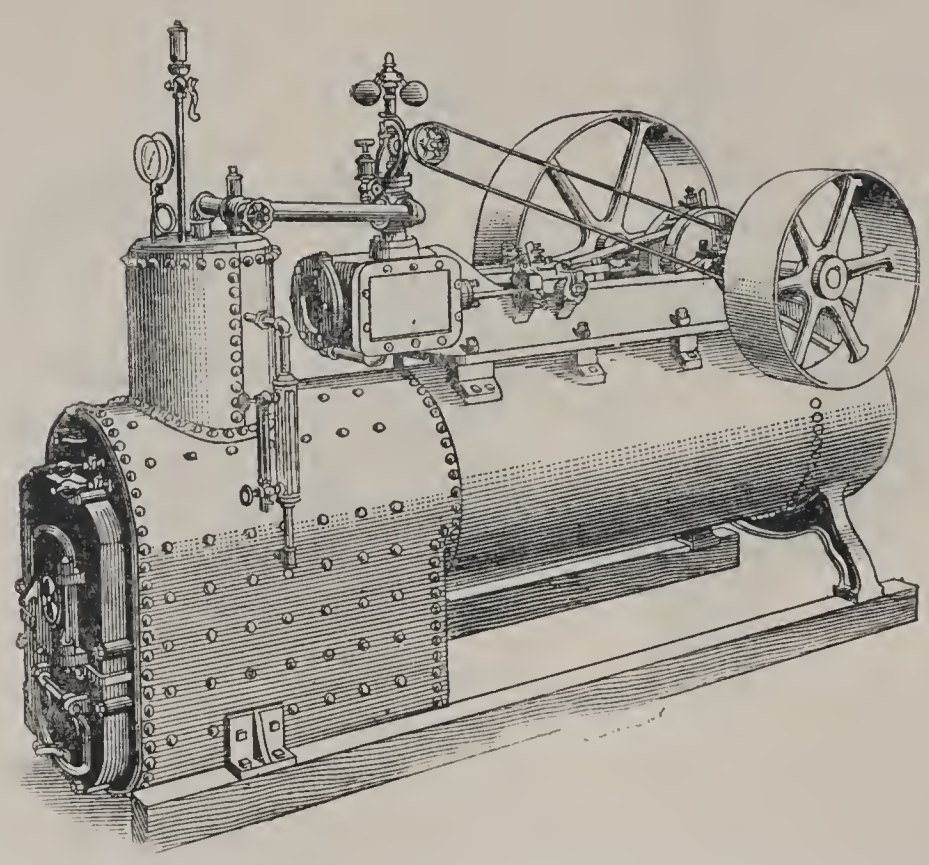
With an engine ordered "complete" the following fixtures will be furnished:

Gate throttle-valve; large size sight-feed lubricator; two heavy pulleys, per specifications, turned and balanced; full set sight-feed oil cups; nickel-plated automatic oiling devices for crank pin, cross-head and eccentric; full set steel case hardened wrenches; nickel-plated crank shield; drip connections from cylinder and steam chest.

Connecting pipes between the engine and boiler, exhaust pipe, and foundation bolts are subject to order and are charged extra. Every engine is thoroughly tested under steam before it leaves our shops.

JAMES BEGGS & CO., AGENTS,

9 DEY STREET, NEW YORK.



PORTABLE ENGINES.

Full specifications of the engine will be found on page No. 143, and of the boiler, on page 146.

The price of engine "complete, as per list," includes the stack and guys, and balance of regular fixtures for both engine and boiler.

The stack and guys are made an extra charge by many builders.

Nos. 8 and 9, portable engines, have an additional stand for supporting the shell of the boiler.

All these engines can be taken off the boiler and placed on an independent foundation with no other change than the additional lengths of pipe required.

All necessary oil cups, with hammer, wrenches and oil can, are furnished with each engine.

SPECIFICATIONS OF PORTABLE ENGINES.

Number of Size	1	2	3	4	5	6	7	8	9
Horse Power, as usually rated	8	10	12	15	20	25	35	40	50
Usual number of revolutions	200	175	175	150	150	150	150	150	150
Diameter of cylinder by length of stroke..in inches	6x9	7x10	8x10	8x12	9x12	10x12	10x15	11x15	12x16
Diameter of boiler..... "	28	30	32	32	34	36	40	40	44
Length of stack..... ..in feet	20	20	20	20	24	24	35	40	40
Weight, complete, in pounds.....about	5000	6000	6400	7600	9200	10500	13500	15000	18500

Every engine is thoroughly tested under steam before it leaves our shops.

When these engines are ordered mounted on wheels, the tongue and brake are furnished, but the neck-yoke, evener, whiffletrees, and hand-pump are subject to order, and are charged extra.

For engines mounted on wheels, a short stack, with hinge and spark arrester, without guys, can be substituted for the regular stack and guys, without change in price; but, unless otherwise ordered, we send the regular stack with guys

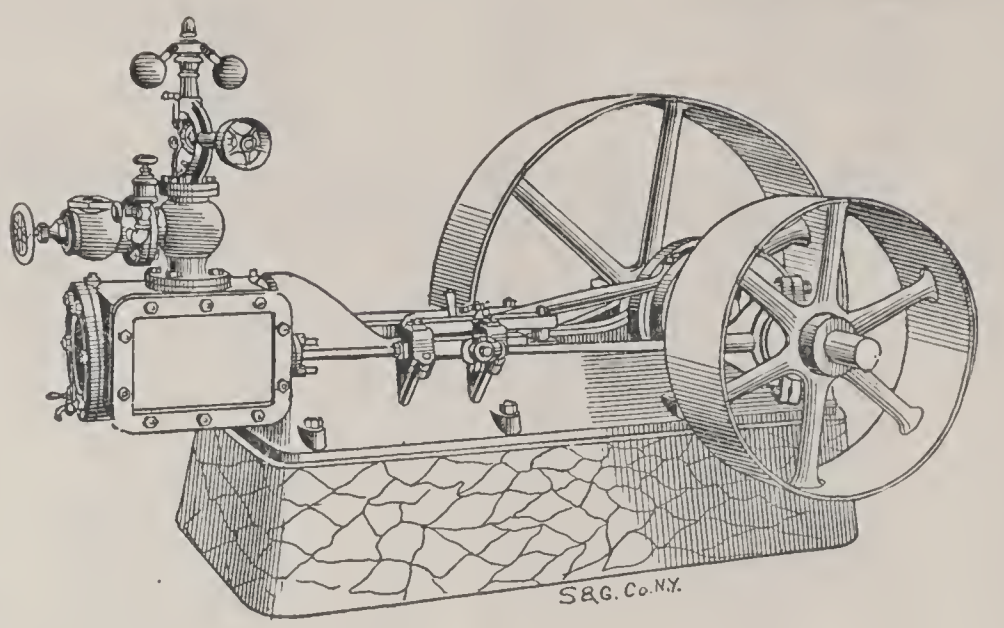
JAMES BEGGS & CO., AGENTS,

9 DEY STREET, NEW YORK.

SPECIFICATIONS OF DETACHED PORTABLE ENGINES.

Number of Size	1	2	3	4	5	6	7	8	9	10	11	12
Horse Power, as usually rated	8	10	12	15	20	25	35	40	50	60	70	100
Usual number of revolutions	200	175	175	150	150	150	150	150	150	150	150	150
Diameter of cylinder by length of stroke ... in inches	6 x 9	7 x 10	8 x 10	8 x 12	9 x 12	10 x 12	10 x 15	11 x 15	12 x 10	13 x 16	14 x 16	16 x 18
Diameter of steam pipe ... "	1¼	1½	2	2	2½	2½	2½	3	3½	3½	4	5
Diameter of exhaust pipe ... "	2	2	2½	2½	3	3	3½	4	4½	4½	5	6
Size of large pulley, diameter by face ... "	36 x 9½	44 x 10½	44 x 12½	48 x 12½	54 x 12½	54 x 12½	60 x 14½	60 x 14½	72 x 14½	72 x 16½	72 x 16½	78 x 16½
Size of small pulley, diameter by face ... "	16 x 10½	20 x 10½	20 x 10½	32 x 10½	32 x 10½	32 x 10½	36 x 10½	36 x 12½	36 x 12½	36 x 12½	36 x 12½	48 x 12½
Diameter of crank shaft ... "	2⅜	2⅝	2⅞	3	3⅜	3⅝	3⅞	4⅜	4⅞	4⅞	5⅜	5⅞
Whole length of crank shaft ... "	49	53	54	58	58	66	74	75	77	77	87	94
Length of journals ... "	5½	6	6	7	7½	8½	8½	9	10	10	12	14
Diameter of crank pin ... "	2¼	2½	2⅝	2¾	3¼	3½	3¾	4¼	4⅜	4⅜	5⅜	5⅞

Every engine is thoroughly tested under steam before it leaves our shops.



Detached Portable Engines.

The above engraving shows our new style of Detached Portable (Centre Crank) Engines.

They are strong and well proportioned throughout, thoroughly well made, and being self-contained are very easily set up as a detached engine, and connected to any style of boiler; or can be mounted on a boiler to make a portable engine, as shown on the next page. The cylinders are jacketed, the ports equal in length to the diameter of the cylinder and so arranged as to insure perfect drainage, the unusually large steam pipes and governors give ample supply of steam for high speed when required, and the full disc crank-balances so perfectly balance the engines as to admit with safety higher speed than any other form.

The slides and crossheads are extra length and width, giving large wearing surfaces; the crank shafts are large in diameter, cut from a solid forging and have no welds to give out; the improved Patent Journal Boxes are extra long, fitted with adjustable quarter boxes *capable of adjustment while the engine is running*, a new and valuable feature.

These engines embody the best results of many years' experience, and while we do not claim that they are the *lowest priced* engines in the market, we do claim that they are the *cheapest*, all points considered.

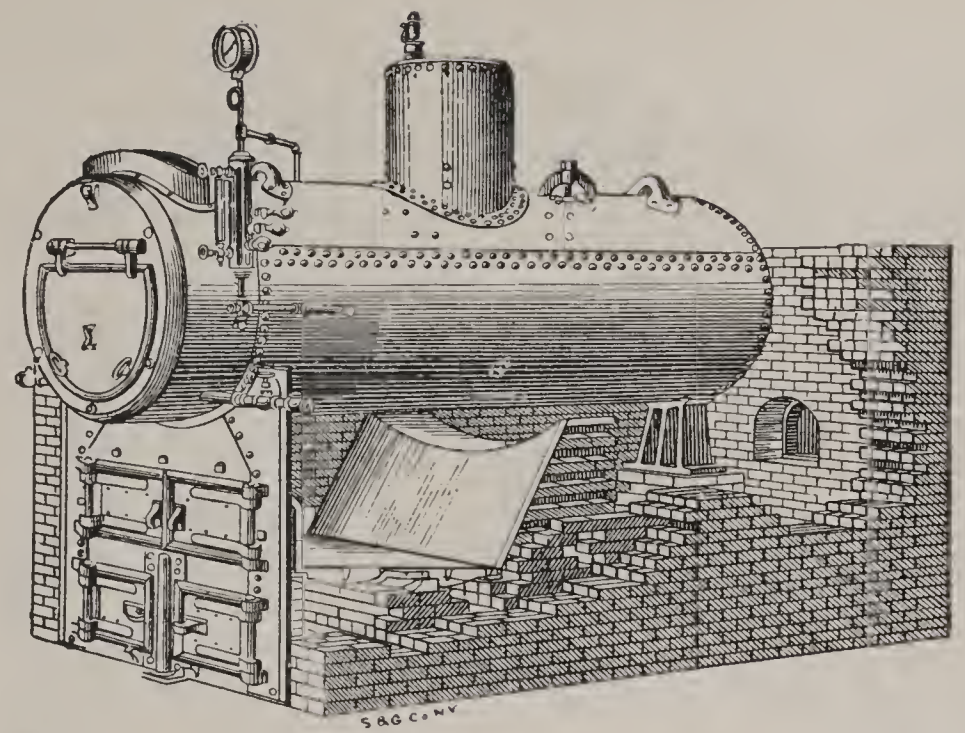
The Engine "complete as per list" includes: Governor and Throttle Valve, two Pulleys as per list, turned and balanced, Sight Feed Lubricator, all necessary Oil Cups, Cylinder and Air Bibbs, also a "Crosshead Pump" and Heater attached to engine bed. We advise, however, the use of an independent Pump or an Injector, in place of the "Crosshead Pump," especially on the larger sizes.

Steam and Water Pipe Connections between Engine and Boiler, Exhaust Pipe, Foundation Bolts and Governor Belt, are subject to order and charged extra.

Every engine is thoroughly tested under steam before it leaves our shops.

JAMES BEGGS & CO., AGENTS,

9 DEY STREET, NEW YORK.



"STANDARD" TUBULAR STATIONARY BOILERS.

Our "Standard" Boilers are made throughout of Open-Hearth Homogeneous Flange Steel Plate of 60,000 pounds tensile-strength, with an elastic limit of over 30,000 pounds, elongation of over 20 per cent., and reduction of area of 45 per cent. to 50 per cent. This steel will turn over and close down solid without fracture, when cold, or after heating and cooling in water, and will not blister.

The shells of Nos. 1, 2. 3 and 4 are formed of a single plate; Nos. 3½, 5, and larger sizes, up to and including No. 13, have one plate in the bottom and one in the top: Nos. 14, 15, 16 and 17 have bottom of one plate 8 feet or more in width, and one or more plates in the upper section. In all sizes the bottom of boiler will be without seams, except around the heads. The great advantages of a boiler made in this way are apparent; there are no seams over the fire, and the bottom presents a smooth, even surface, which greatly facilitates cleaning. prevents lodgment of sediment, and consequent burning of plates.

The longitudinal seams of the shell are double riveted, and the dome flanges of No. 4 and larger sizes are double riveted to the boiler.

The rivets are spaced in accordance with the most approved rules, and the greatest possible strength secured at the seams.

The edges of the plates are planed, and the caulking is done by Connery's patent concave system.

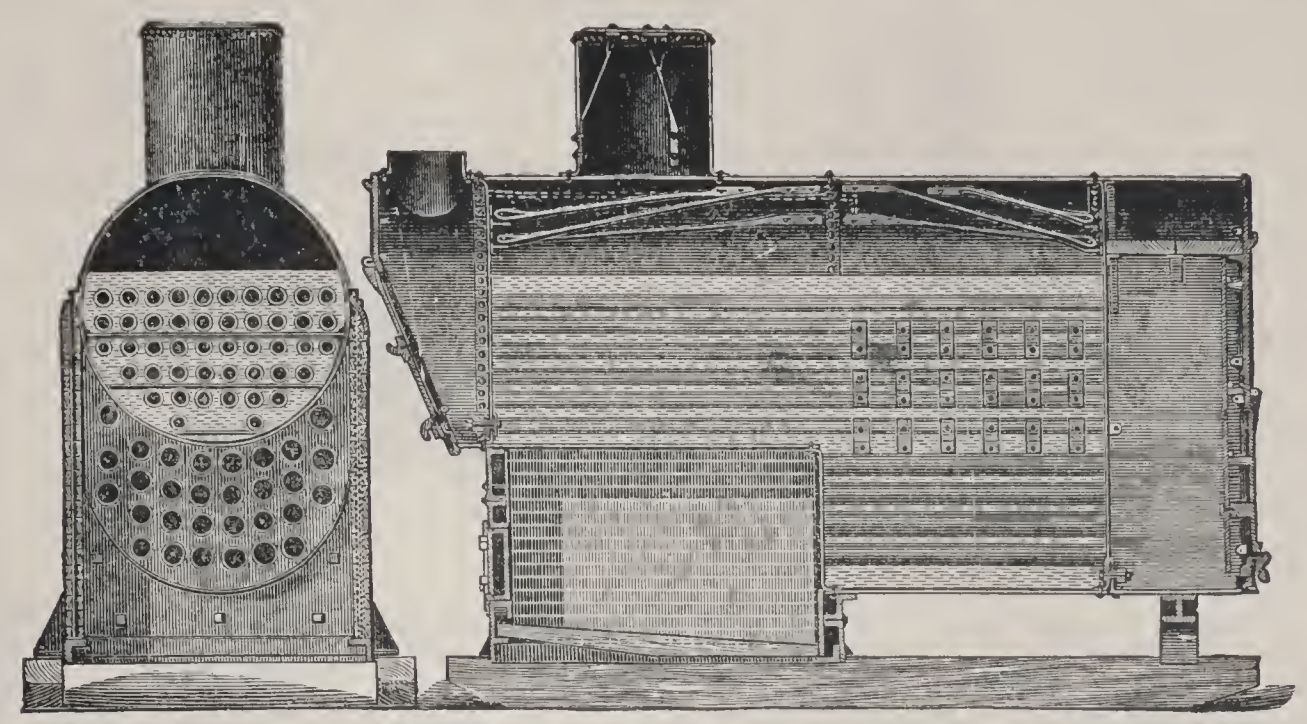
Special attention is given to the bracing, which is a most important item in boiler construction. All "Standard" boilers up to and including No. 3½ are braced with solid stay rods. running from head to head, screwed in place and riveted over on outside of head. All larger boilers are braced throughout with solid crow-foot braces of 2 inch by ½ inch iron. The dome heads are thoroughly braced, the braces running from head to shell of dome. All stay rods and braces are made of a special refined iron of 50,000 pounds tensile strength, and enough braces are used to insure a large factor of safety.

No. 8 and larger sizes of "Standard" Boilers are furnished with Sectional Half-Arch Fronts, as shown in engraving; the smaller sizes of fronts are not made in sections.

SPECIFICATIONS OF "STANDARD" BOILERS.

Number of Size	1	2	3	3½	4	5	6	7	7½	8	9	10	10½	11	12	13	14	15	16	17
Horse Power, as usually rated	10	12	15	20	20	25	30	35	40	40	45	50	60	60	70	80	90	100	125	150
Diameter of boiler . . . . in inches	30	30	36	36	42	42	44	44	44	48	48	54	54	60	60	60	66	66	72	72
Length of tubes used . . . . in feet	7	8	8	10	8	10	10	12	14	12	14	12	15	12	14	16	15	16	16	18
Number of tubes (3 inch diam.) . . .	20	20	28	28	38	38	46	46	46	52	52	64	64	82	82	82	98	98	120	84
Sq. feet heating surface . . . . about	151	185	220	288	305	376	440	526	611	591	687	708	880	885	1028	1172	1296	1377	1660	4 Tbs
Length of grates . . . . . in inches	36	36	36	42	36	42	42	48	54	48	54	48	54	48	54	54	54	54	54	60
Diameter of dome . . . . . "	18	18	20	20	22	22	22	22	22	26	26	30	30	32	32	32	36	36	36	36
Height of dome . . . . . "	20	20	22	22	24	24	24	24	24	28	28	34	34	36	36	36	40	40	40	40
Thickness of shell . . . . . "	1/4	1/4	1/4	1/4	9/32	9/32	9/32	9/32	9/32	5/16	5/16	5/16	5/16	11/32	11/32	11/32	3/8	3/8	7/16	7/16
Thickness of main heads . . "	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	1/2	1/2
Thickness of dome shell . . "	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16	5/16
Thickness of dome head . . "	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Diam. of smoke stack . . . "	14	14	16	16	20	20	22	22	22	24	24	26	26	28	28	28	30	30	34	36
Length of smoke stack . . . . in feet	28	28	28	35	28	35	35	40	50	40	50	40	50	40	50	60	60	60	60	60
Weight of boiler and britchen . about	1900	2300	2600	2900	3500	4000	4300	4900	5500	6000	6800	7000	8200	9000	9900	11000	12700	13000	16000	17300
Weight of boiler fixtures . . . "	1500	1600	1700	1950	2200	2500	2600	2700	3000	3400	3500	3600	3800	4000	4500	5000	5000	5000	6000	6200
Weight of boiler and fixtures . . "	3400	3900	4300	4850	5700	6500	6900	7600	8500	9400	10300	10600	12000	13000	14400	16000	17700	18000	22000	23500
Weight of flush ended boiler, with 4 wall brackets . . . . . about	1800	2200	2500	2800	3300	3900	4300	5000	5500	5700	6500	7000	8000	8600	9700	10500	12000	13000	16000	17400
Wght with full front and fixtures "	4400	4900	5300	5800	7000	7700	8400	9000	10000	10200	11500	12000	13500	14500	16000	17000	19000	20000	24000	25000

Erie City Iron Works, Erie, Pa.



The "Economic" Return Tubular Portable Boiler.

The "ECONOMIC" is THE BEST PORTABLE BOILER in the market.

The success which attended its introduction to the trade, six years ago, and its continued and ever increasing popularity are remarkable. It occupies but little space, is a rapid steamer, and combines with the safety of the Stationary Return Tubular Boiler, the convenience and portability of a Portable. The boiler is made of Homogeneous Open-Hearth Steel Plate, and is thoroughly braced throughout.

The front end of the boiler is cylindrical in form and extends over the furnace, forming the crown sheet. The rear end is oval, the lower portion extending below far enough to hold the short tubes leading from the furnace to the back connection.

The furnace is brick lined, and can be detached when desired. The fire brick are held in place by iron rods, which are protected from the fire and can be removed and replaced when necessary. The furnace is large and has ample grate surface.

In the ordinary portable boiler the crown sheet is flat, and, although subjected to the greatest heat, is the first part exposed by low water. The sides of the furnace are difficult to keep clean and liable to burn out. In the "Economic" the cylindrical crown sheet gives a large effective heating surface, and is always fully protected by water. There are no water sides to fill with sediment, and the fire-brick lining of the furnace insures a very high degree of temperature, more complete combustion of the gases, and consequent economy in fuel.

SPECIFICATIONS OF "ECONOMIC" BOILERS.

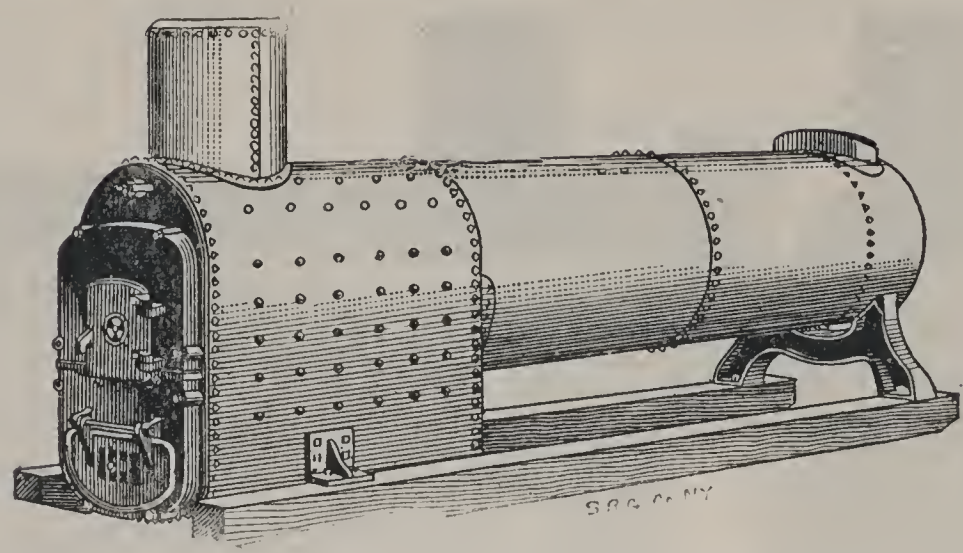
Number of Size	2	3	4	5	6	7	7½	8	9	10	11	12	13	14
Horse Power, as usually rated	10	12	15	20	25	30	35	40	50	60	70	80	90	100
Diameter of boiler ... in inches	28	28	30	30	36	36	40	40	44	50	54	54	60	60
Length of furnace, inside, "	35	35	38	44	44	44	53	53	53	60	60	60	60	66
Width " " "	28	28	30	30	36	36	40	40	44	50	54	54	60	60
Number of 3-inch tubes	16	16	21	21	30	30	40	40	52	64	78	78	92	92
Length " " used, in ft.	6	7	7	8½	8	9	9	10	9½	9½	9	10	9½	11
Number of 4-inch tubes	10	10	12	12	18	18	20	20	28	35	42	42	51	51
Length " " used, in in.	34	46	43	55	49	61	52	64	58	54	48	60	54	66
Thickness of shell "	No.4	No.4	¼	¼	¼	¼	9-32	9-32	5-16	5-16	5-16	5-16	11-32	11-32
Thickness of tube sheets, "	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	7-16	7-16
Diameter of dome "	18	18	20	20	24	24	26	26	28	32	*	*	*	*
Height of dome "	18	18	20	20	22	22	24	24	24	28	28	28	30	30
Diameter of stack "	12	12	14	14	18	18	20	20	22	24	45	50	50	60
Length of stack ... in feet.	30	35	35	40	40	45	45	50	50	50	13	14	13½	15
Length of boiler "	9½	10½	10½	12	11½	12½	12½	13½	13	13½	56	62	68	68
Width of boiler ... in inches.	34	34	36	36	42	42	46	46	50	56	137	137	143	143
Height " "	76	76	86	86	101	101	104	104	112	125				
Weight of boiler ... about.	4100	4350	5450	5900	7200	7800	8300	9200	10800	13000	15700	16600	19300	21000
Weight of fixtures ... "	700	750	750	1000	1100	1200	1500	1700	1900	2100	2300	2400	2700	3000
Weight of boiler and fixtures, about	4800	5100	6200	6900	8300	9000	9800	10900	12700	15100	18000	19000	22000	24000

* Steam Drum in place of Dome 24 in. diameter by 5 ft. long.

Fixtures comprise Grates, Steam Gauge, Water Gauge fitted with Stand-Pipe, Gauge Cocks, Whistle and Pipe, Safety Valve, Blow-off Valve, Check and Stop Valves, Smoke Stack and Guys.

All smoke stacks up to and including 28-inch diameter are made of No. 16 iron, and larger sizes of No. 14; if heavier is required a proportionate charge will be made.

These boilers are all tested and inspected by a responsible insurance company.



SPECIFICATIONS OF PORTABLE BOILERS, CLASS "A."

Number of Size	0	1	2	3	4	5	6	7	7½	8	9	10
HORSE POWER, as usually rated	6	8	10	12	15	20	25	30	35	40	50	60
Diameter of boiler ... in inches	26	28	30	32	32	34	36	40	40	40	44	48
Length of furnace ... "	34	36	38	38	44	52	52	60	60	60	64	64
Width of furnace ... "	21	22	24	26	26	28	30	34	34	34	38	42
Height of furnace ... "	29	33	35	35	35	37	40	43	43	43	50	52
Number of tubes (3-inch diameter)	17	20	22	26	26	30	34	40	42	42	48	54
Length of tubes used ... in feet	5	6	6½	6	6½	7½	8	8	9	10½	11½	12
Thickness of shell and outside of fire box ... in inches	No. 4	No. 4	¼	¼	¼	¼	¼	9/32	9/32	9/32	5/16	5/16
Thickness of furnace plate ... "	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32	5/16	5/16
Thickness of tube sheets ... "	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Diameter of dome ... "	12	14	16	18	18	20	20	22	22	22	22	26
Height of dome ... "	15	16	18	20	20	22	22	24	24	24	24	28
Diameter of stack ... "	12	14	14	16	16	16	18	20	20	20	22	22
Length of stack ... in feet	18	20	20	20	20	24	24	30	35	40	40	50
Length of boiler over all ... "	9	10½	11	10¾	12	13½	14	14½	15½	17	18½	19
Weight of boiler, on skids ... about	2600	3150	3650	3900	4150	5100	5900	7000	7450	7950	9900	11300
Weight of boiler fixtures ... "	450	500	550	600	650	950	1000	1150	1250	1350	1500	1700
Weight of boiler and fixtures complete, on skids ... about	3050	3650	4200	4500	4800	6050	6900	8150	8700	9300	11400	13000

PORTABLE BOILERS,

CLASS "A."

These boilers are the favorite "Water Bottom" style. They are made of Open-hearth homogeneous steel plate and in the best manner throughout, with fusible plugs in the crown sheet. The longitudinal seams of the shells of No. 6, and all larger sizes, are double riveted.

Fixtures comprise: Grates, Steam Gauge, Water Gauge fitted with Stand-Pipe, Gauge Cocks, Whistle and Pipe, Safety Valve, Blow-off Valve, Check and Stop Valves, Smoke Stack and Guys. All smoke stacks are made of No. 16 iron; if heavier is required a proportionate charge will be made.

When these boilers are ordered mounted on wheels, the tongue and brake are furnished, neck-yoke, evener, whiffletrees, and hand-pump are subject to order, and are charged extra.

A short stack, with hinge and spark arrester, without guys, can be substituted for the regular stack and guys, without change in price; but unless otherwise ordered, we send the regular straight stack with guys.

These boilers are tested and inspected by a responsible insurance company.

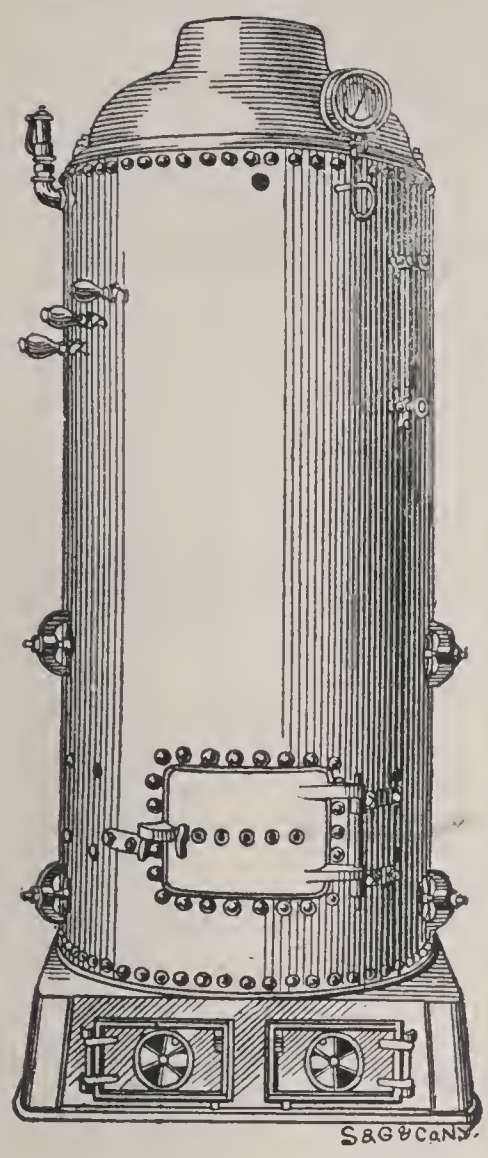
JAMES BEGGS & CO.,

AGENTS,

9 DEY STREET,

NEW YORK.

Erie City Iron Works, Erie, Pa.



JAMES BEGGS & CO., Agents,

9 DEY STREET, NEW YORK.

VERTICAL BOILERS.

Our Vertical Boilers are made of open-hearth homogeneous steel plate throughout, and the longitudinal seams of the shells of boilers 36 inches and larger in diameter, are double riveted.

Boilers 24, 30 and 36 inches in diameter have two, and all the larger sizes three hand-holes in the water leg around the fire, and the same number over the crown sheet.

The fixtures comprise Base, Grates, Hood, Steam Gauge, Water Gauge, Gauge Cocks, Safety Valve, Blow-off Valve, Check and Stop Valves.

Hoods are included with the fixtures of Full Length Tube Boilers only, as they are not required with the other style.

SPECIFICATIONS OF VERTICAL BOILERS WITH FULL LENGTH TUBES.

No. of Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Horse Power, as usually rated	4	5	6	8	10	12	15	18	20	25	30	35	40	45	50	60
Diameter of boiler ... in inches	24	24	24	30	30	30	36	36	36	42	42	42	48	48	48	54
Height of boiler ... " feet	4	5	6	5	6	7	6½	7	8	7¼	8¼	9¼	8½	9	10	9
Diameter of furnace ... " inches	20	20	20	25	25	25	31	31	31	37	37	37	43	43	43	48
Height of furnace ... "	24	24	24	27	27	27	27	27	27	27	27	27	30	30	30	30
Thickness of shell ... "	¼	¼	¼	¼	¼	¼	¼	¼	¼	9-32	9-32	9-32	5-16	5-16	5-16	5-16
Thickness of heads ... "	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Thickness of furnace plate. "	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Length of tubes used ... "	24	36	48	33	45	57	51	57	69	60	72	84	72	78	90	78
No. tubes (all 2-inch diameter). ...	31	31	31	55	55	55	77	77	77	109	109	109	149	149	149	201
Square feet heating surface ... about	44	60	75	92	121	150	189	210	250	307	364	422	496	535	613	716
Wgt. of boiler without fixtures, about	900	1000	1150	1150	1500	1700	2100	2300	2600	3000	3400	3800	4400	4600	5000	5600
Weight of boiler fixtures. ... "	400	400	400	550	550	550	850	850	850	1200	1200	1200	1700	1700	1700	2300
Weight of boiler complete ... about	1300	1400	1550	1700	2050	2250	2950	3150	3450	4200	4600	5000	6100	6300	6700	7900

* No. 2.

The extension shell with ash pan is not furnished with either style boiler unless specified in order. If ordered, the price will be same as for the cast iron base.

These boilers are all thoroughly tested and inspected before shipment.

THE CARROLL-PORTER BOILER & TANK CO. PITTSBURGH, PA.

J. W. PORTER, *President.* J. E. PORTER, *Sec'y & Treas.*

Successors to D.W.C. CARROLL & CO., Engineers & Contractors,

MANUFACTURERS OF

ELEVATED RAILWAYS & ROAD BRIDGES,

IRON TRUSSED ROOFS, VIADUCTS,

TURN TABLES, IRON COLUMNS,

STAND PIPES, IRON PIERS, STEAM BOILERS,

IRON HULLS, HOT AIR HEATERS,

OIL STILLS, CAISSONS, BLAST FURNACES,

MACHINE FLANGED BOILER PLATES

OF ALL KINDS.

OIL TANK CARS, OIL & WATER TANKS,

BESSEMER STEEL CONVERTERS, CORRUGATED IRON,

IRON AND STEEL FORGINGS,

IRON AND STEEL WORK

OF EVERY DESCRIPTION.

MACHINE RIVETING, FLANGING, DRILLING & PLANING.
IRON AND STEEL RIVETS.

ESTIMATES FURNISHED.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

MACHINE FLANGED
BOILER PLATES AND HEADS.

PRICES FOR FLANGING.

HEAD PLATES.

Outside Diameter.	5-16 and 3-8 Thick.	7-16 and 1-2 Thick.	9-16 and 5-8 Thick.
12 to 20 inches.	$ 50	$ 60	$ 75
20 " 25 "	65	80	1 00
25 " 30 "	90	1 00	1 25
30 " 35 "	1 00	1 10	1 50
35 " 40 "	1 20	1 40	1 80
40 " 45 "	1 50	1 70	2 25
45 " 50 "	2 00	2 20	3 00
50 " 55 "	2 50	2 75	3 75
55 " 60 "	3 00	3 50	4 50
60 " 65 "	3 50	4 25	5 00
65 " 72 "	4 25	5 00	5 75
72 " 80 "	5 50	6 00	6 50
80 " 85 "	7 00	7 50	8 00
85 " 90 "	8 00	8 50	9 00
90 " 94 "	9 50	10 00	10 50
94 " 100 "	10 50	12 00	14 00
100 " 104 "	12 00	14 00	16 00

FLUE PLATES.

Inside Diameter.	5-16 and 3-8 Thick.	7-16 and 1-2 Thick.	9-16 and 5-8 Thick.
6 to 10 inches.	$1 25	$1 50	$1 70
10 " 18 "	1 40	1 60	1 80
18 " 20 "	1 75	2 00	2 25
20 " 24 "	2 00	2 25	2 50
24 " 30 "	3 00	3 50	4 00

INSTRUCTIONS FOR ORDERING FLANGED PLATES.

SEND A SKETCH OF THE HEAD PLATE DESIRED, GIVING:

Gauge of iron or steel.
Total outside diameter of head.
Depth of flange.
Radius of curve at base of flange.
Number of flue connections.
Interior diameter of flue connections.
Distance between centers of flue connections.
Distance between the center line above the flue connections and the center of the head plate.
Specify whether the flanges of the flue connections are to be on the inside or outside.

MENTION THE QUALITY OF IRON OR STEEL.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

JOHN BEST & SON, LANCASTER, PA., U. S. A.

JOHN BEST. ESTABLISHED 1854. JAMES B. BEST.

"BEST"
STEAM ENGINE
AND
BOILER WORKS.

MANUFACTURE AND KEEP IN STOCK

HORIZONTAL STATIONARY,
VERTICAL STATIONARY,
PORTABLE OR AGRICULTURAL

ENGINES.

TUBULAR, FLUE, CYLINDER, VERTICAL AND MARINE

BOILERS.

SAW MILLS, PUMPS,

Iron Stacks, Bark Mills and Cob Mills, Tanks for Oil and Water, Furnace Work, Shafting, Pulleys, Gearing, Hangers, etc., etc.

STEAM HEATING AND HOT-AIR FURNACES.

KEEP IN STOCK

Leather, Gum and Cotton Belting, Hancock Inspirators, American Self-Feeding Cylinder Lubricators and Crank Pin Oilers, Crosby Steam Gauges and Fittings, Pickering Governors, Asbestos Packings, etc.

GENERAL MACHINISTS.

ESTIMATES FURNISHED FOR SPECIAL WORK.

JOHN BEST & SON, LANCASTER, PA., U. S. A.

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STEAM ENGINE
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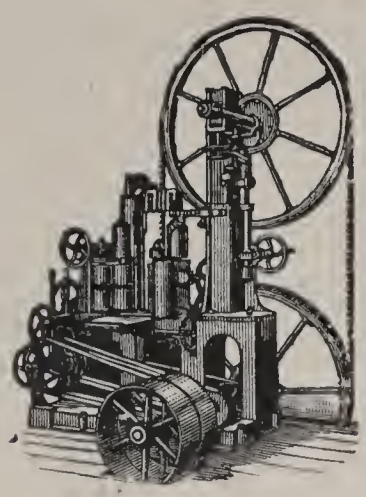
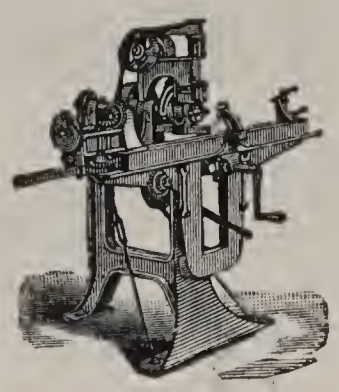
GENERAL MACHINISTS.

ESTIMATES FURNISHED FOR SPECIAL WORK.

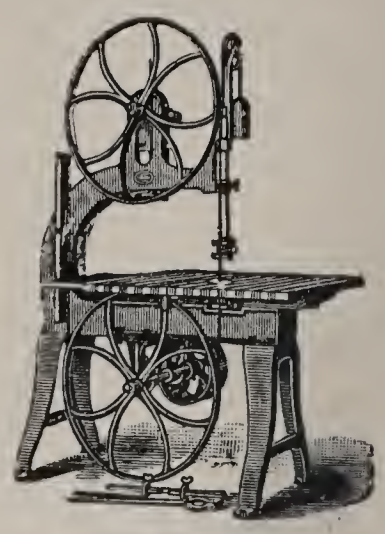
P. Pryibil, 512-524 W. 41st St., New York City.



Improved Band Re-Saw
Cable: *Elfin*



Twist Machine

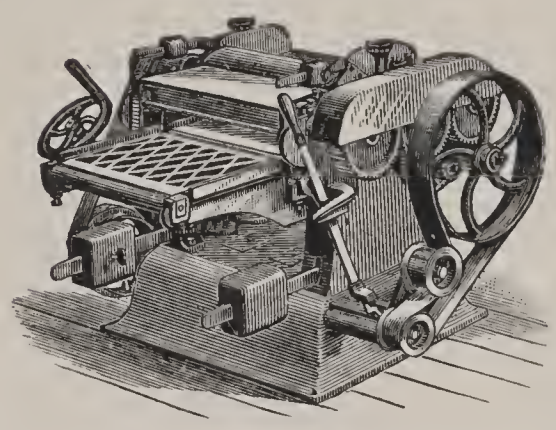


Band Saw
Cable: *Elude*

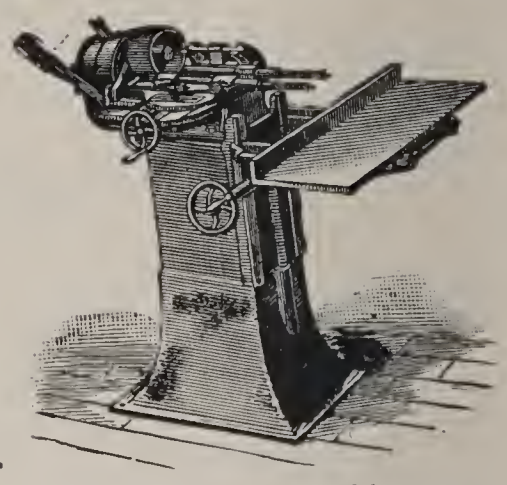
MANUFACTURER OF

Wood Working Machinery,

SHAFTING, PULLEYS and HANGERS.



Cable: *Elide.* Feed Planer

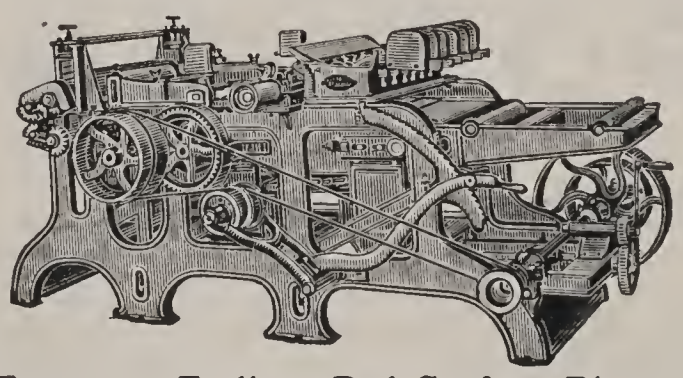


Cable: *Elvan.* Double Borer

Witherby, Rugg & Richardson, Worcester, Mass., U. S. A.

Manufacturers of Improved

Wood Working Machinery.



Farrar or Endless Bed Surface Planer.

Shipping Weight 26-inch Double Surfacer, with feed out rolls, 5,700 lbs.
" " 30-inch " " " " " 6,600 lbs.

SPECIALTIES.

Planers and Matchers, Large and Small Surfacers, Dimension Planers, Daniels Planers, Buzz Planers, Molders, Tenoners, Mortisers, Re-Saw, Band Sawing Machines, Wood Lathes, Etc.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

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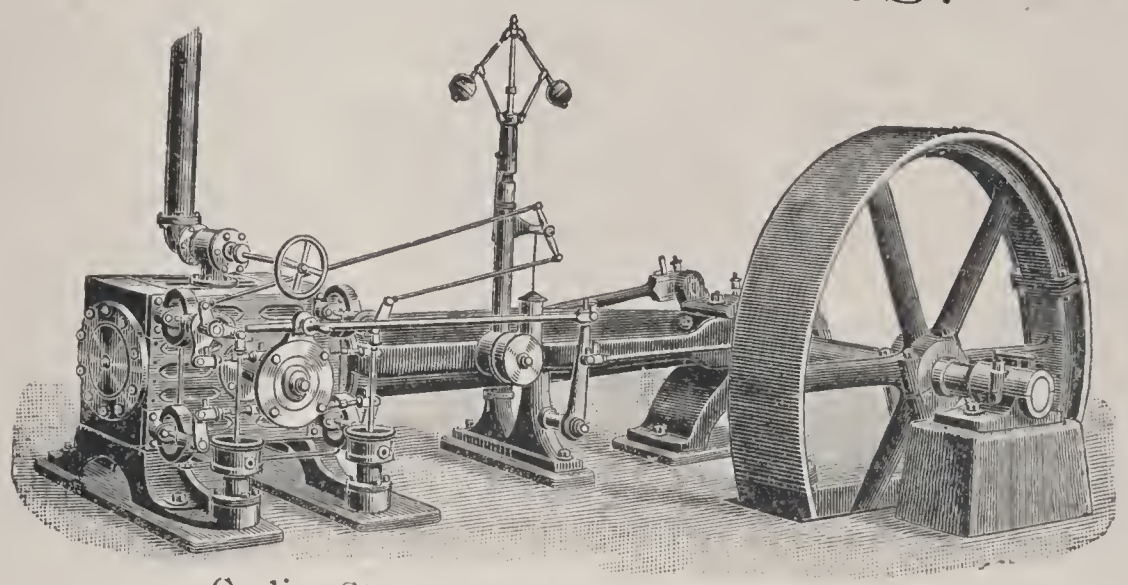
(CAPITAL, $1,000,000.)

ENGINEERS.

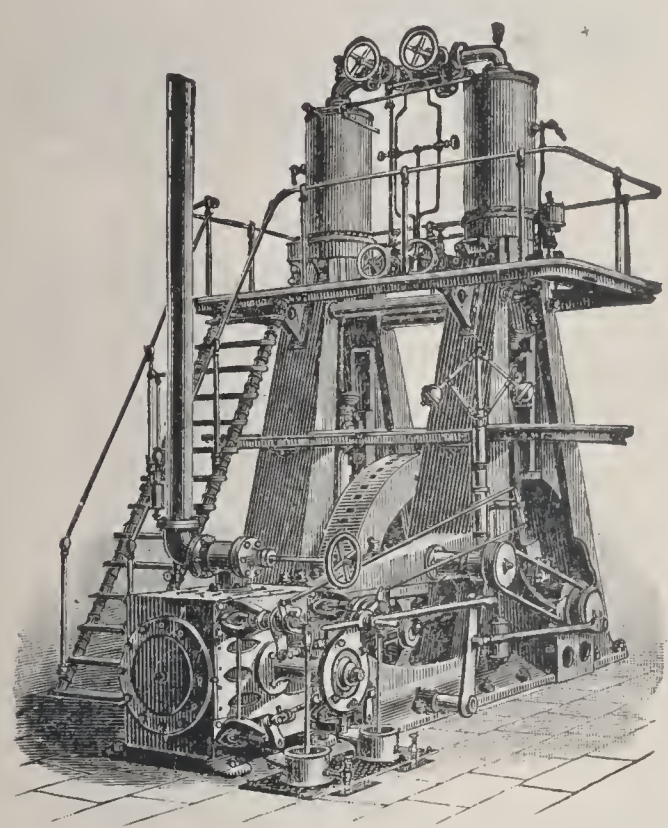


Corliss Steam Engines, 30 to 1,000 H. P.

MANUFACTURERS OF

FRICK COMPANY'S
"ECLIPSE"
MACHINERY.

Traction Engines,
Portable Engines,
Stationary Engines,
Automatic Engines,
Upright Engines,
Hoisting Engines,
Saw Mills,
Steam Boilers,
Feed Pumps,
Refrigerating and Ice Machines.



All First-Class Machinery.
Fully Guaranteed.

Highest Awards and Premiums wherever Exhibited.

Refrigerating and Ice-Making Machines

FOR USE IN

Packing Houses,
Breweries,
Cold Storage Depots,
Ice Factories, etc.

Fully Warranted. Ranging from 1 to 150 Tons daily capacity.

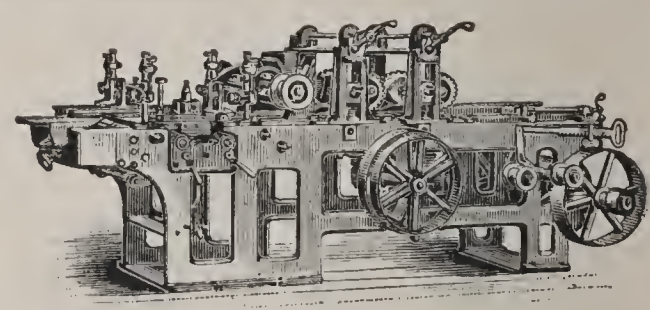
We publish the following illustrated circulars for distribution:—
General Catalogue, 96 pages. Corliss Engine Pamphlet, 64 pages.
Ice-making and Refrigerating Catalogue, 268 pages.
Price List of Machinery made by us, 64 pages.
SENT FREE TO INTERESTED PARTIES.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Armstrong Mfg. Co., Bridgeport, Conn.

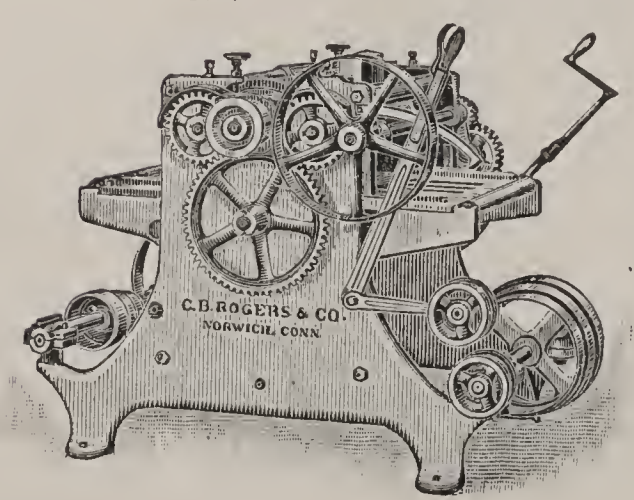
We make nothing but standard, First-class Goods. Before purchasing Tools for Water, Gas or Steam Fitter's use, or for threading Bolts, you would do well to enquire of any party having used the Armstrong. They are universally acknowledged to be superior to all other tools. They are for sale by all principal Jobbers and Dealers in Hardware, Gas and Steam Fitter's Supplies.



10 and 13-inch Inside Moulder

C. B. Rogers & Co.
Wood Working Machinery,
Norwich, Conn., U. S. A.

No. 11 Planer

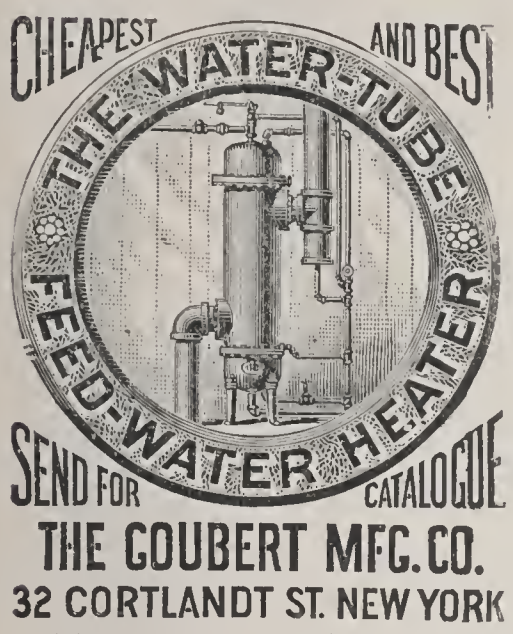


New York
and
Boston.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

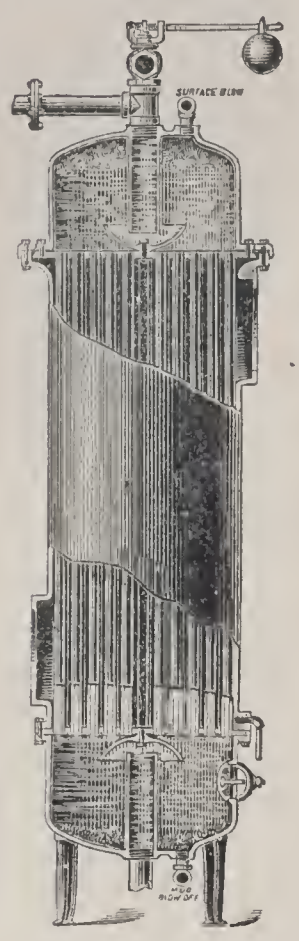
THE GOUBERT
"Water-Tube" Feed-Water Heater



is the only heater adapted to high pressures; every one is tested under 240 lbs. hydraulic pressure.

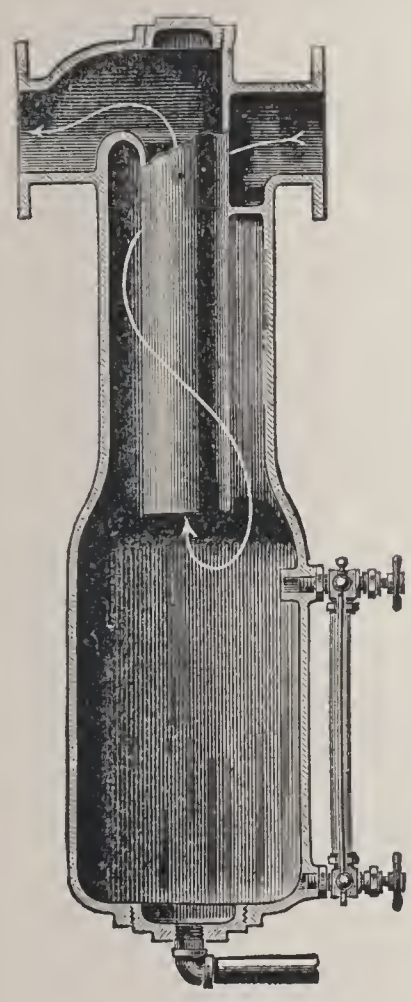
It occupies but little space.

The tubes are of brass and free to expand. The pressure being inside, the tubes cannot collapse. They cannot leak at the ends, as the greater the pressure the tighter it makes them. By simply removing the head all the tubes can be cleaned.



The area for the passage of the steam between the tubes is from eight to sixteen times as large as that of the exhaust pipe, and consequently it cannot cause back pressure.

The water being divided up into small columns, and in immediate contact with the heating surface, is quickly heated to the highest point. The mud collector is removed from heating surfaces. Made in all sizes from 50 to 5,000 horse power. Either vertical or horizontal. The most effective; the most easily cleaned; the most durable. We guarantee it in all these particulars, and offer it at a much lower price than that of other first class heaters.



THE STRATTON SEPARATOR.

Extracts all entrained water from the steam, whether due to priming or condensation in long lines of pipe. It delivers under all conditions

DRY STEAM

to the engine, increasing the economy and preventing water hammer, wear and tear, and breakages.

Send for catalogue and list of users to

The Stratton Separator Co.,
32 CORTLANDT STREET,
New York.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

W. B. Barry Saw & Supply Co., Indianapolis, Ind.

Circular and Band Saws,

KNOWN AS

The "Barry" Saws.

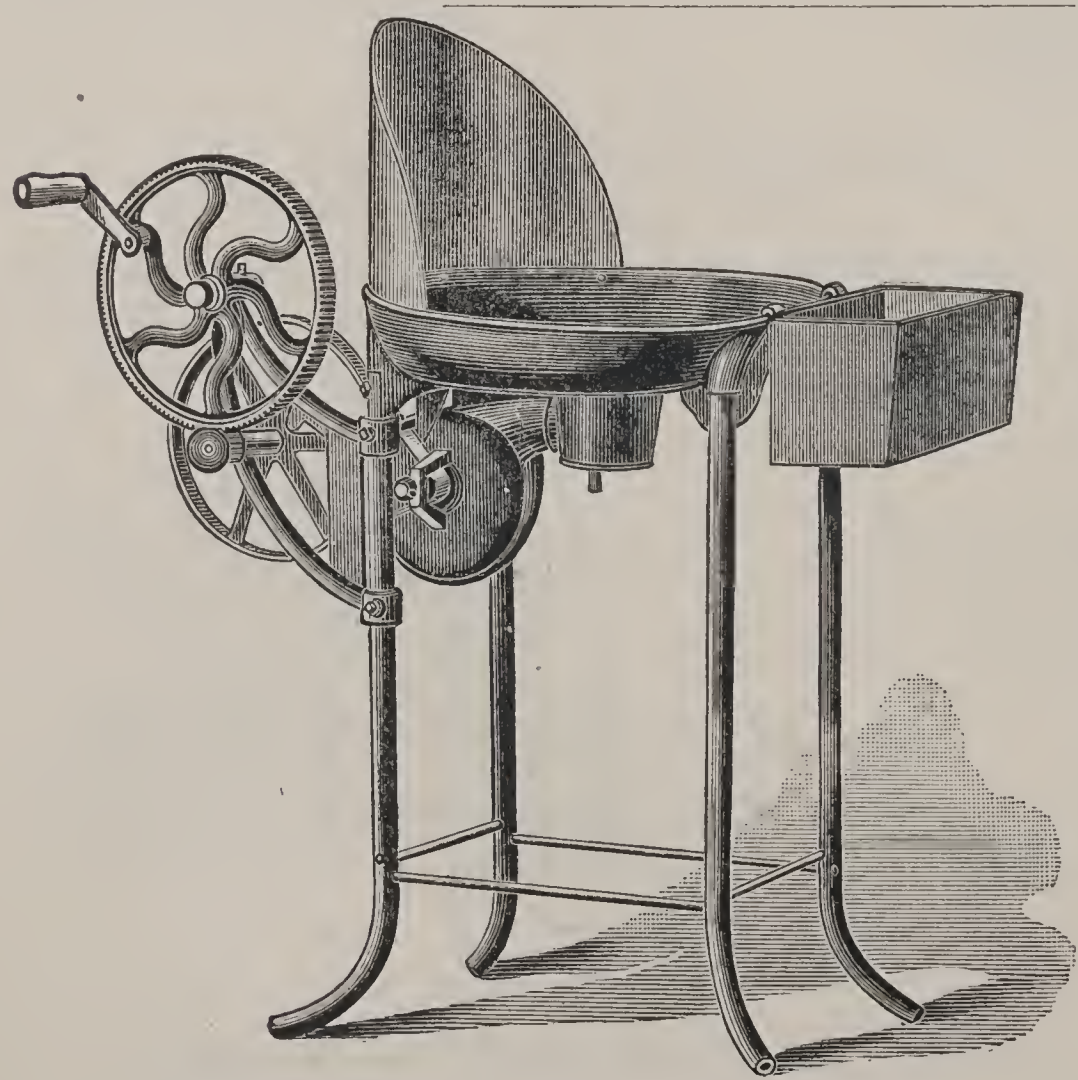
Tempered by Natural Gas.

132-134 So. Pennsylvania St.

Send for Illustrated Catalogue and Discounts.

Diameter Inches.	Thickness Gauge	Size of Hole	Price Each	Extra for each additional Gauge (Heavier)	Price for Beveling new Saws Grinding or Beveling old Saws, extra per Gauge
4	19	¾	$0 90	$0 03	$0 14
5	19	¾	1 10	04	16
6	18	¾	1 30	05	18
7	18	¾	1 50	06	20
8	18	⅞	1 75	08	22
9	17	⅞	2 00	10	25
10	16	1	2 30	12	28
11	16	1	2 65	14	30
12	15	1	3 00	17	35
14	15	1⅛	4 50	21	40
16	14	1⅛	5 50	25	50
18	13	1¼	7 00	30	60
20	13	1 5-16	8 50	35	70
22	12	1 5-16	10 00	45	80
24	11	1⅜	12 00	55	90
26	11	1⅜	14 50	65	1 05
28	10	1½	16 00	80	1 20
30	10	1½	18 00	90	1 30
32	10	1⅝	20 00	1 00	1 40
34	9	1⅝	22 50	1 20	1 55
36	9	1⅝	25 50	1 40	1 70
38	9	1⅝	30 00	1 75	1 85
40	9	2	35 00	2 00	2 00
42	8	2	40 00	2 50	2 20
44	8	2	52 50	3 00	2 40
46	8	2	60 00	3 50	2 60
48	8	2	70 00	4 00	2 80
50	7	2	80 00	4 50	3 00
52	7	2	90 00	5 00	3 25
54	7	2	100 00	6 00	3 50
56	7	2	115 00	7 00	3 75
58	7	2	130 00	8 00	4 05
60	6	2	145 00	9 00	4 35
62	6	2	160 00	10 00	4 65
64	6	2	180 00	12 00	5 00
66	6	2	200 00	15 00	5 35
68	5	2	225 00	18 00	5 75
70	5	2	255 00	21 00	6 15
72	5	2	290 00	24 00	6 55
74	5	2	330 00	27 00	7 00
76	5	2	375 00	30 00	7 50

Cleveland Steam Gauge Co., Cleveland, O.



No. 1, Without Hood, but with heavy back and Water Box.

Manufacturers of the Celebrated

WATSON PORTABLE FORGES

AND BLACKSMITHS' BLOWERS.

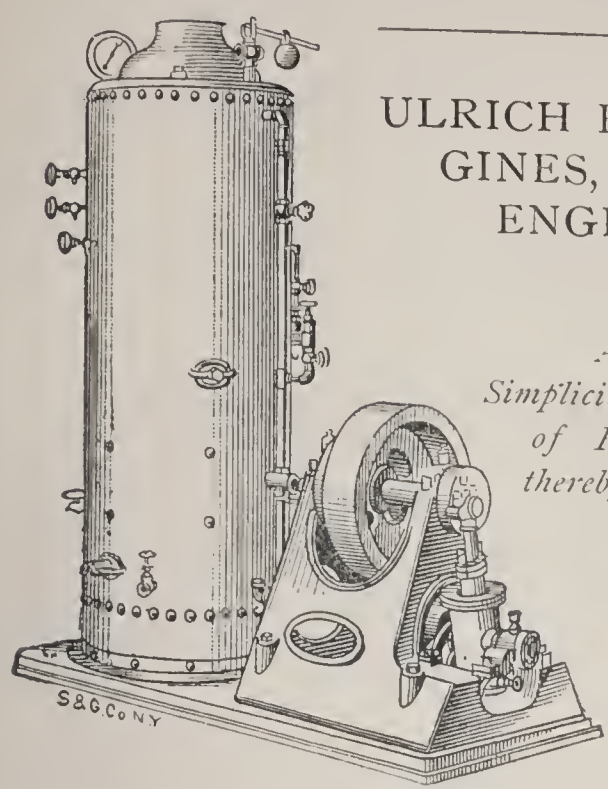
Office, 197 SUPERIOR ST.

These Forges are made with steel shafts, which run in brass bushings. The crane containing all the machinery can be swung under the center of Forge while being transported.

Size of Fan, No. 1 Forge, 7½ in. Size of Fan, No. 2 Forge, 8½ in.

We also make a larger size, No. 4, Fan 11½ inches.

Hill Machine Works, Florence, Mass., U. S. A.



MANUFACTURERS OF THE

ULRICH PATENT STATIONARY AND MARINE ENGINES, THE DUPLEX REVERSIBLE HOISTING ENGINE, PAPER, BASKET AND CUTLERY MACHINERY, ETC.

ADVANTAGES OF ULRICH ENGINES:

Simplicity, Compactness, Self Containment, Complete Interchangeability of Parts, High Speed, Short Steam Ports, Balanced Valves, thereby greatly reducing friction.

ADVANTAGES OF HOISTING ENGINES:

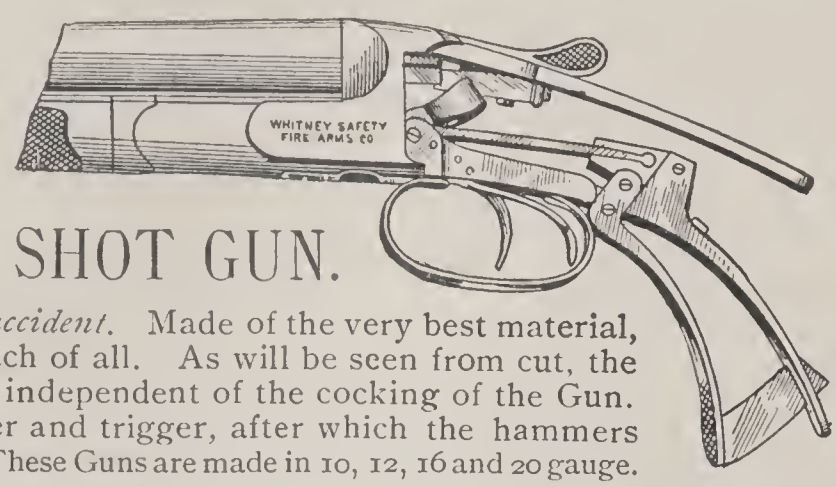
Specially adapted for out-door uses in Quarries, Buildings, Mines, etc., as it is constructed on a principle that sand and other matter cannot effect its vulnerable parts. Will run in either direction and can be stopped instantly.

The Whitney Safety Fire Arms Co.,

FLORENCE, MASS., U. S. A.

MANUFACTURERS OF THE

WHITNEY PATENT SAFETY HAMMERLESS SHOT GUN.



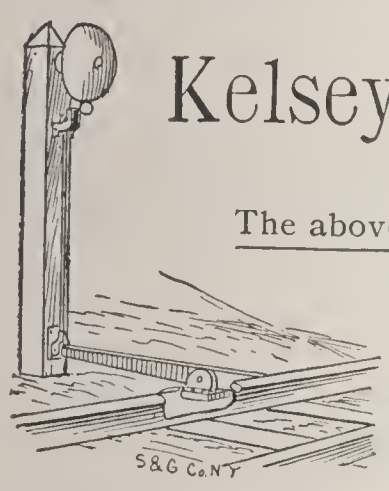
This Shot Gun is absolutely safe against accident. Made of the very best material, a good shooter and at a cost within the reach of all. As will be seen from cut, the opening and closing of barrels are worked independent of the cocking of the Gun. When firing it is necessary to pull both lever and trigger, after which the hammers automatically resume their locked position. These Guns are made in 10, 12, 16 and 20 gauge.

The Kelsey Railroad Signal Co., FLORENCE, MASS., U. S. A.

MANUFACTURERS OF THE

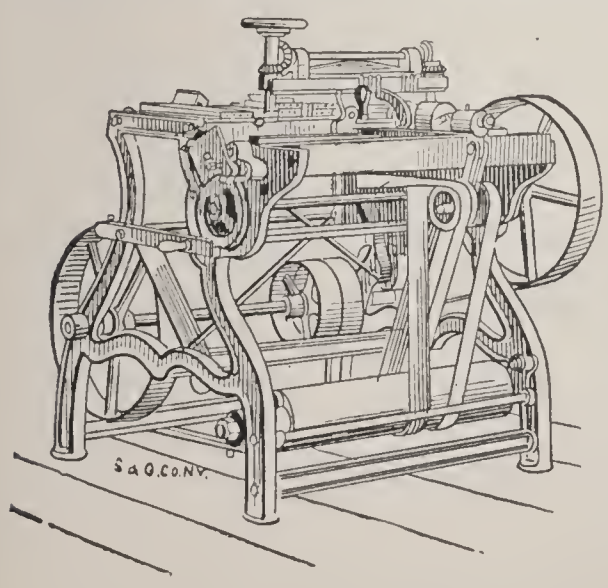
Kelsey Visual and Audible R. R. Signal,

PATENTED.



The above signal is unexcelled for Simplicity, Reliance and cheapness. In the construction and operation of this Signal, which is automatic, all possible emergencies are provided for. The machine works both visual and audible signals in one, and is so constructed that in the event of the former failing to operate, the latter will under all circumstances sound the alarm. Contraction and expansion of working parts are also provided for, finally as a last resort, in the event of a break in the working parts, both visual and audible signals go to danger.

The Knapp Dovetailing Machine Co., FLORENCE, MASS., U. S. A.



MANUFACTURERS OF THE

Patent Knapp Dovetailing Machine,

ALSO THE

Patent Clement Dovetailing Machine.

For strength and beauty of joints these machines cannot be surpassed. The Knapp Machine is the oldest. The Clement is an improved and later Machine; both are in use all over the States and in Europe. The difference between the latter and the former is that the Clement works automatic and has greater capacity than the Knapp. An ordinary workman can turn out 200 drawers a day on the Clement; with the help of a boy 350 drawers can be completed in 10 hours work. From this can be seen the economy of a Clement machine, which will pay for itself in a very short period. Price of Knapp Machine, $250. Price of Clement Machine, $325.

THE SEEGER & GUERNSEY CO., NEW YORK.

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CYCLOPÆDIA,

OF THE

Manufactures and Products of the United States:

"A most valuable work. The foreign reader can see at a glance that a sufficient number of manufacturers names is given to furnish a fair and open choice in any article it is desired to order. *The plan of the work is altogether different from that of a directory, inasmuch as the names are classified according to details of articles manufactured, and not according to general descriptions.* In every respect, the art of classification in this work has been carried to the last pitch of perfection. The book is produced with all the excellence for which American typography is now famous."

The Argus, Cape Town, South Africa.

MELBOURNE, Australia.

" * * * This is a most comprehensive and important work, and cannot fail to command the high appreciation of every commercial institution in the world."

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PORFIRIO DIAZ.

MADRAS, INDIA.

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" * * * Exceedingly valuable. There are almost daily inquiries at the Consulate as to where and by whom articles of American manufacture may be obtained. This book furnishes that information fully and in a shape easily understood, and will enable us to give answers to such inquiries."

JOHN C. NEW, *U. S. Consul-General, London.*

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OF THE

Manufactures and Products of the United States:

"Besides its practical usefulness as a ready means of information in daily affairs, its contents ought to stir the pride of every American, and suggest to him that our industries are no longer infantile."

GROVER CLEVELAND.

"Of value in both domestic and foreign trade. It includes all our national staples and specialties, showing where any article of American manufacture can be purchased direct. It is skillfully classified so that it is possible to find any article needed without a moment's delay."

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"We find the CYCLOPÆDIA very useful. The arrangement, typography and indexing are worthy of high commendation. Such a book we have long needed, but have not before been able to find."

WALTER A. WOOD MOWING & REAPING MACHINE CO.
Hoosick Falls, N. Y.

"We wish to congratulate you on the success you have made in compiling and publishing such a valuable work. We consider it greatly superior to anything we have ever seen or known to have been attempted in this line. Had we known at the time that such a wide range of articles would have been included, we would have been more particular in giving you a fuller line of articles for which we are headquarters."

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"Your CYCLOPÆDIA lay in my shelf for a number of months. One day I thought of looking at it. I needed some supplies, and requested an estimate from a number of manufacturers named in the Cyclopædia. You may imagine my surprise when I found my discovery *saved me 20 per cent.* on an order for handles amounting to 200,000 dozen."

N. R. STREETER, of N. R. Streeter & Co., Groton, N. Y.

"I have been using the Seeger & Guernsey CYCLOPÆDIA OF THE MANUFACTURES AND PRODUCTS OF THE UNITED STATES, and outside of what business I have secured through it, the publication has saved me more than the price of my advertisement by using it as a reference for manufacturers of goods that I have been buying in the construction of a new plant."

ALONZO ROBERSON, Binghamton, N. Y.

ADDRESS:

THE SEEGER & GUERNSEY CO., NEW YORK.

Eagle Cotton Gin Co., Bridgewater, Mass.

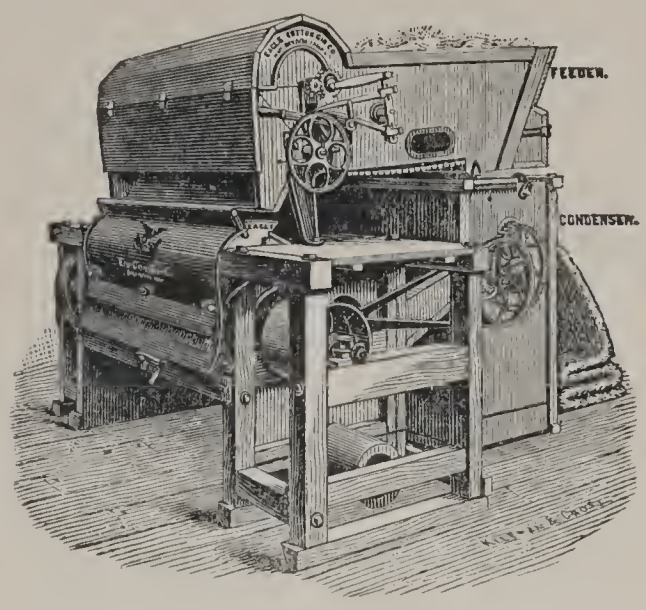


Fig. 1. 12 inch Saw Gin.

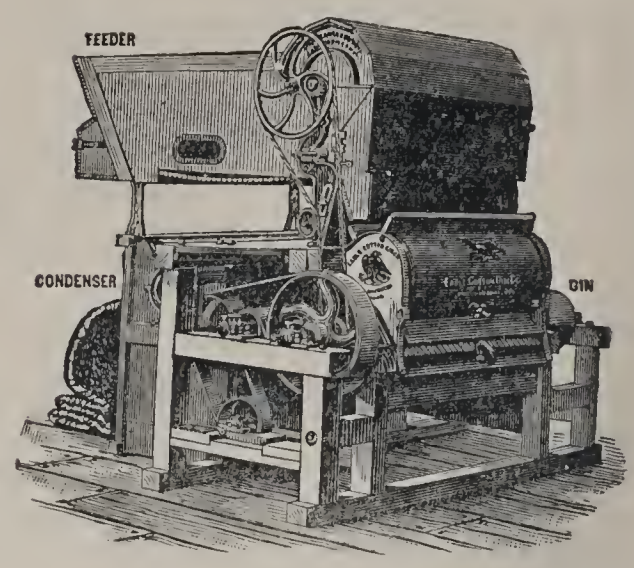


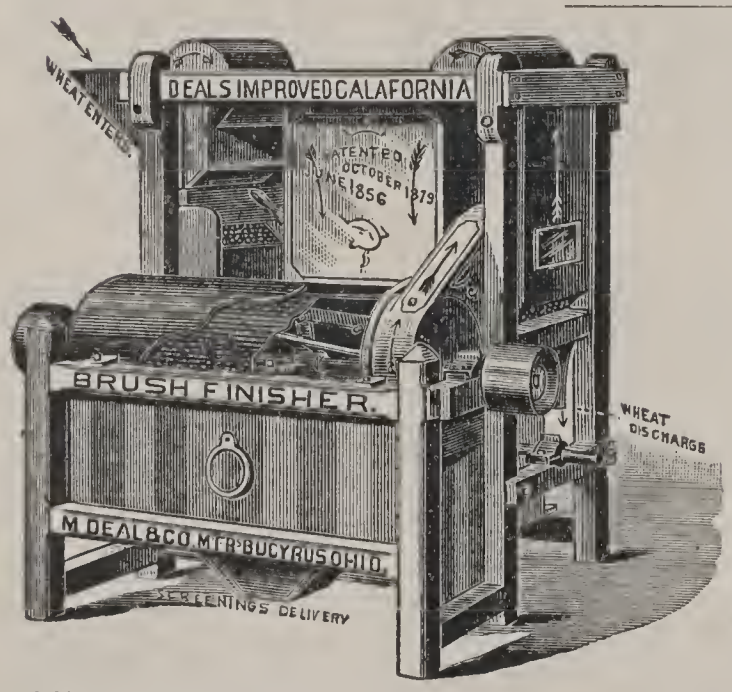
Fig. 2. 10 inch Saw Gin.

PRICE LIST.

Gins having Saws 12 inch Diam.			Sizes	Gins having Saws 10 inch Diam.		
Gins	Feeders	Condensers		Gins	Feeders	Condensers
$80 00	$35 50	$34 50	No. 1 — — 16 Saws	$56 00	$23 00	$23 00
90 00	36 00	35 00	" 2 — — 18 "	63 00	24 00	24 00
100 00	37 00	36 00	" 3 — — 20 "	70 00	25 00	25 00
125 00	38 50	37 00	" 4 — — 25 "	87 50	27 00	27 00
$150 00	$40 50	$39 00	No. 5 — — 30 Saws	$105 00	$30 00	$30 00
175 00	47 25	45 50	" 6 — — 35 "	122 50	35 00	35 00
200 00	54 00	52 00	" 7 — — 40 "	140 00	40 00	40 00
225 00	60 75	58 50	" 8 — — 45 "	157 50	45 00	45 00
250 00	67 50	65 00	" 9 — — 50 "	175 00	50 00	50 00
300 00	81 00	78 00	" 10 — — 60 "	210 00	60 00	60 00
350 00	94 50	91 00	" 11 — — 70 "	245 00	70 00	70 00
400 00	108 00	104 00	" 12 — — 80 "	280 00	80 00	80 00

Note: Nos. 1 to 4 arranged for Hand or Power. Nos. 5 to 12 for Power only.

H. M. Deal & Co., Bucyrus, Ohio.

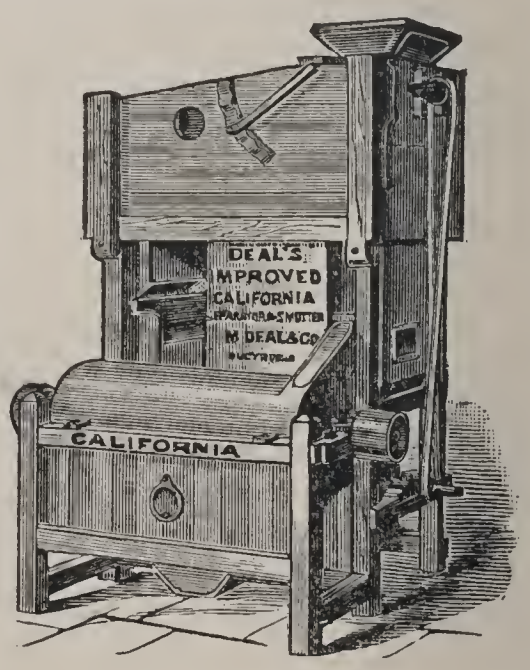


CALIFORNIA.

Deal's Improved California Magnetic Smutter, Separator and Scourer Combined.

California Magnetic Brush Smutter, Separator and Scourer Combined.

WARRANTED THE VERY BEST IN AMERICA.



We have been engaged in the exclusive manufacture of these goods for years, adding all practical improvements after a thorough test, and you may depend on getting the very best in the "California."

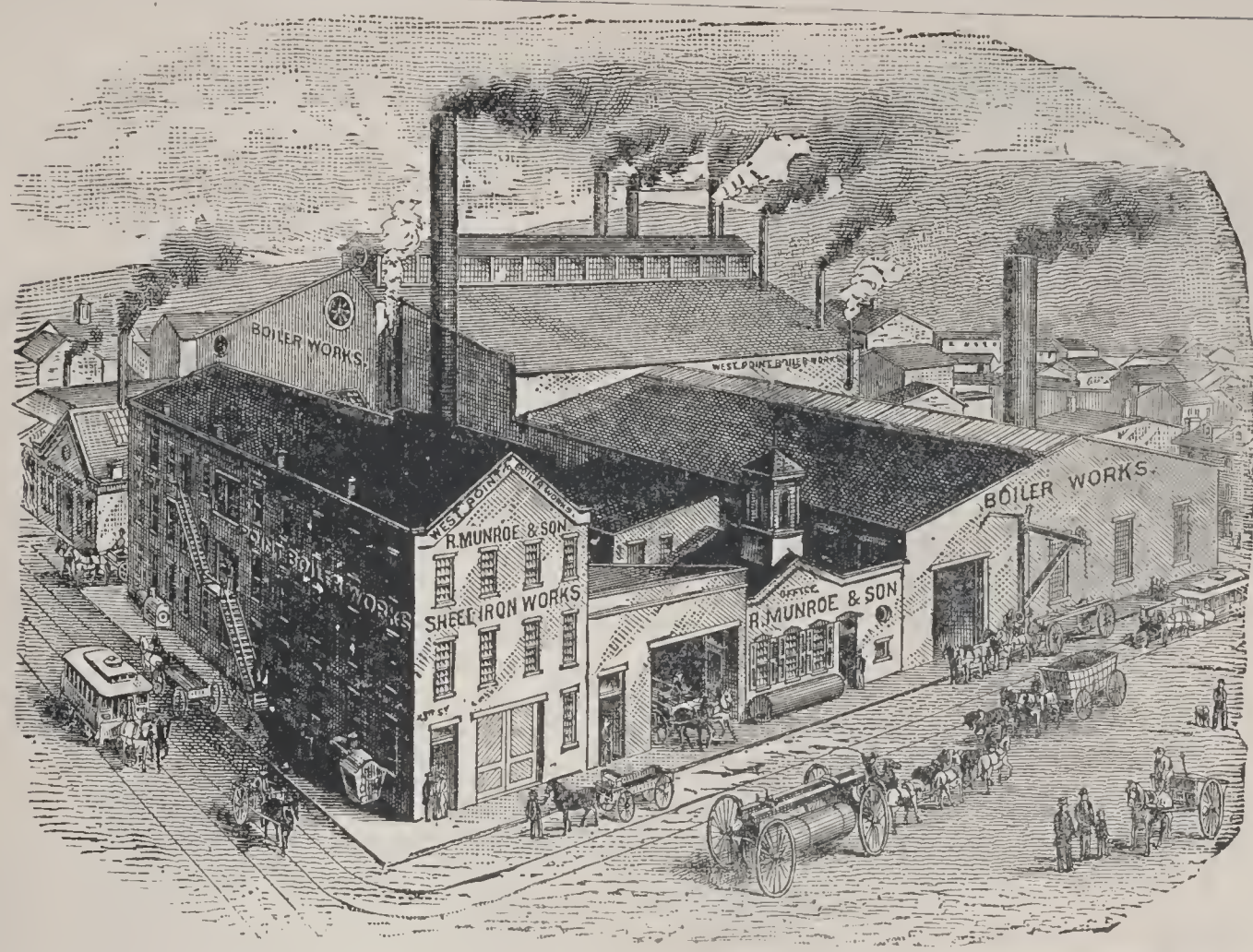
This Machine constitutes all that is required in a Flour Mill for thorough and economical Grain Cleaning and Scouring. Sent all complete ready to run.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

R. Munroe & Son, Pittsburgh, Pa.

WEST POINT BOILER WORKS.



ESTABLISHED 1835.

STEAM BOILERS

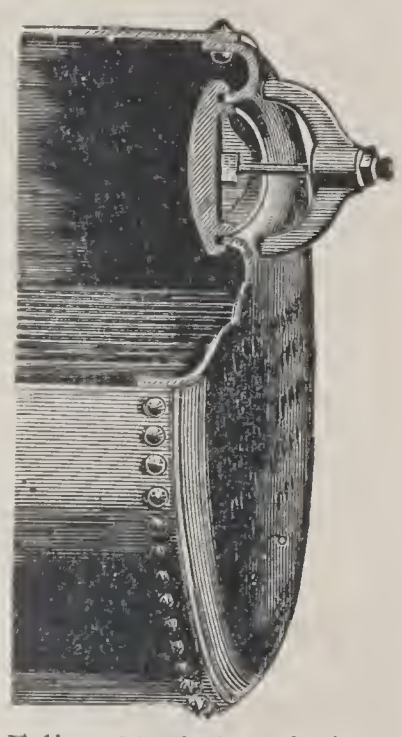
WITH OUR

PATENT ECLIPSE

Manhole and Cover

And All Kinds

Heavy and Light Sheet Iron Work Made to Order.



Patent Eclipse Manhole and Plate.
Front Head of Boiler

Patent Eclipse Manhole and Plate.
Back Head of Boiler.

Pittsburgh, July 18, 1888.

GENTLEMEN.—In answer to your communication, requesting my opinion of your Eclipse Man Hole and Plate for steam boilers, I can say that for the purposes intended it is the very best I know of. By the use of the Eclipse Manhole and Plate, increased strength is given to the boiler head; leaky joints are avoided, and considerable saving had in gaskets. I have no hesitation in recommending the same for all steam boilers, believing, as I do, that it is better than any I have ever seen, and very considerably superior to the ordinary mode of construction.

Respectfully, GEO. H. ATKINSON,
Late U. S. Inspector of Steam Boilers.

Hartford Steam Boiler Inspection and Insurance Co., }
Pittsburgh, June 27, 1888. }

GENTLEMEN.—Your Eclipse Patent Man Hole is the best thing in its line that I have ever seen. It can be made perfectly tight with more ease than any other, and without strain on the head; in fact, it adds vastly to the strength of the head. It meets with my highest approval, and I cheerfully recommend and advocate its use. Yours truly,

J. A. H. EHRENFELD, Inspector.

Hartford Steam Boiler Inspection and Insurance Co., }
Pittsburg, June 26, 1888. }

GENTS.—Your Eclipse Man Hole for steam boilers is the best thing out. L. C. BURWELL, Special Agent.

J. T. Ryerson & Son, Iron Merchants,
Chicago, Ill, June 1, 1888. }

GENTLEMEN.—From what we experience in regard to the Eclipse Man Hole, we think it is worthy of your most careful attention. Wherever we have shown it to a customer, we have secured its use, and it is only a question of time when it will be used in every boiler. Yours truly,

JOSEPH T. RYERSON & SON.

Office of Gray's Iron Line, }
Pittsburg, January 31, 1889. }

GENTLEMEN.—Regarding the Eclipse Man Hole, which you put in the boilers of the steamer Iron Duke about a year ago, I would say, that it is, in my opinion, the most complete appliance of the kind ever devised.

It has worked admirably from the beginning; we have no trouble whatever in making a tight joint; do not have to strain the bolts and arches, and have no fear of the gasket moving out of its place. It stiffens the head just where stiffness is needed, and, by overcoming the danger of leaks, adds materially to the lifetime of the boiler.

I consider it an absolute necessity for a first-class boiler, and strongly recommend its use on steamboat boilers.

Yours, truly, R. W. COWAN,
Chief Engineer, steamer Iron Duke.

R. MUNROE & SON, Corner 23d and Smallman Sts., PITTSBURGH, PA.

Norton Emery Wheel Co., Worcester, Mass.

MAKERS OF

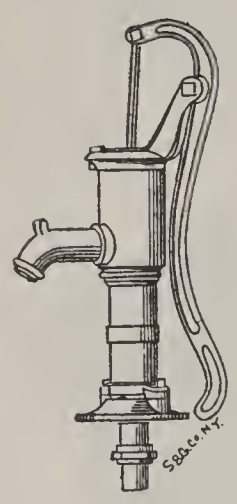
EMERY & CORUNDUM

WHEELS.

Emery Wheel Machinery, Dry Rubbing and Sharpening Stones.
Special Wheels for Brown & Sharpe Grinding Machines.

Send for complete Illustrated Catologue and Prices.

W. & B. Douglas, Middletown, Conn., U.S.A.



Branch Warehouses, { 85 & 87 John St., New York.
197 Lake St., Chicago, Ills.

Manufacturers of over *1,500 styles and sizes of PUMPS, HYDRAULIC RAMS, HYDRANTS, and PUMPING MACHINERY for all purposes, in House, Farm and Factory Water Supply. Pumps for Export a Specialty.*

In sending orders to your commission house in New York, London, or Boston, always specify *Douglas Pumps*, which have always been admitted to be Best in Construction. Highest award at all World Expositions.

Descriptive Catalogue Furnished the Trade.

The Frey-Sheckler Co., Bucyrus, Ohio.

Clay Working Machinery consists of Brick Machinery, Tile Machinery, Clay Crushers, Dump Cars, Dry Pans, Pug-Mills, Winding Drums, Elevators, Engines, Boilers, and Full Factory Outfits.

Special attention is given to the building of Paving Brick Plants.

MANUFACTURED BY

THE FREY-SHECKLER CO.,

BUCYRUS, OHIO

SEND FOR LARGE CATALOGUES.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

STILWELL & BIERCE MFG. CO., DAYTON, OHIO, U.S.A.

A QUESTION OF ECONOMY IN THE USE OF STEAM.

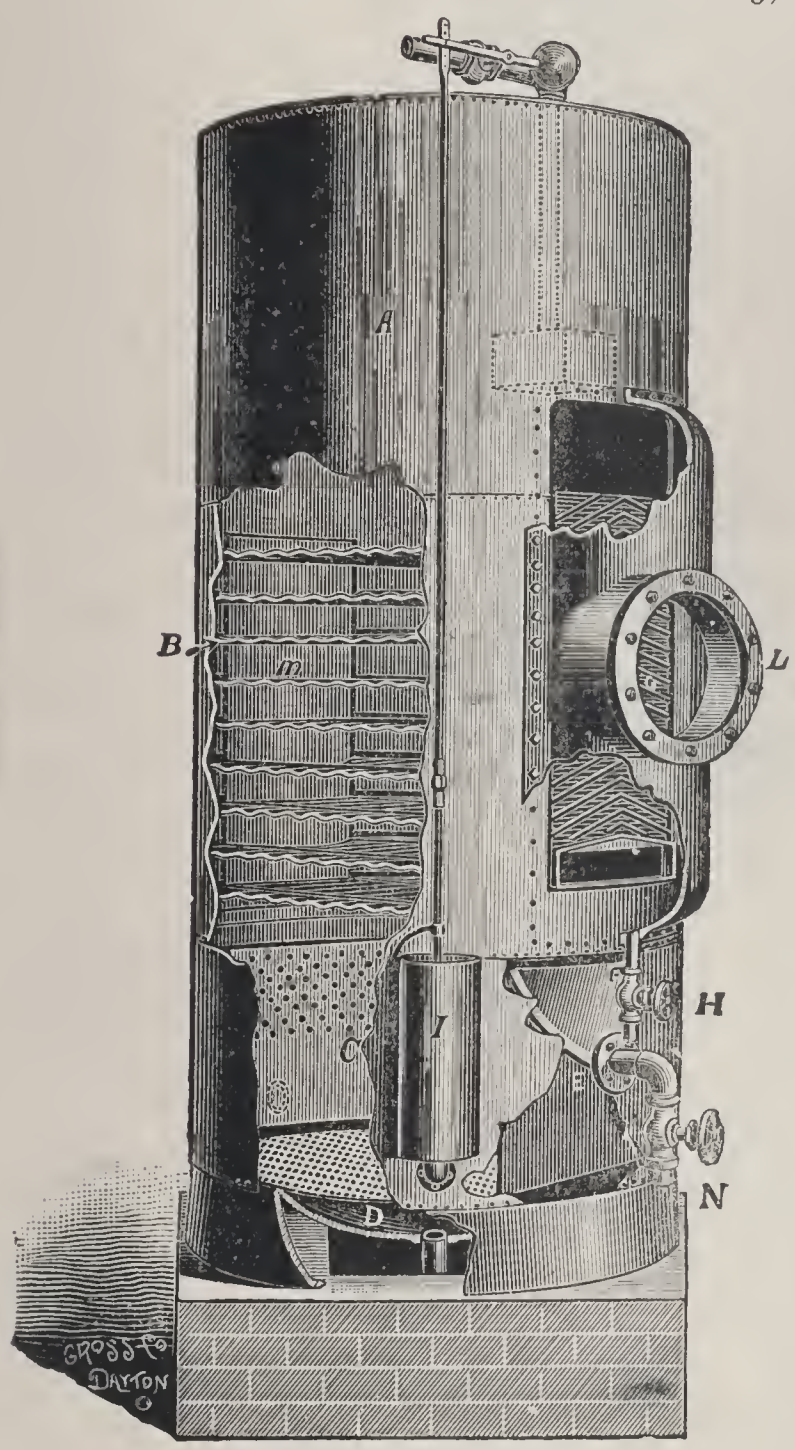
Why not Save Fuel and Save your Boilers,

By supplying them with hot, pure water, thus preventing the formation of scale? This can be cheaply and certainly accomplished by using

STILWELL'S PATENT IMPROVED

Lime Extracting Heater and Filter.

Universally acknowledged as the standard of excellence, and of which more than 5,000 are in use.



Patented April 29, 1890

Remember that it costs nothing to operate this Heater, for it uses only the exhaust steam, thus insuring a large saving not otherwise possible. The lime is deposited upon removable shelves which are easily and quickly cleaned, and the mud, sand, etc., are deposited in the bottom of Heater, from whence they may be drawn off. The feed water is sent to the boiler BOILING HOT AND PURE. The impurities contained in the water are retained in the Heater, instead of being deposited in the boiler, in the form of a non-conducting scale, as is the case when an ordinary Heater is used.

Purchasers of engines and boilers are advised to specify in their orders a "STILWELL PATENT IMPROVED HEATER," and thus secure the highest possible economy in the use of fuel.

Recent improvements embodied in this machine effectually overcome every objection hitherto urged by engineers against the use of Open Exhaust Steam Heaters.

Prominent among them are:

Devices for separating and catching the cylinder oil.

Automatic regulation of feed-water.

Largely increased heating and filtering capacity.

Easily and quickly cleaned.

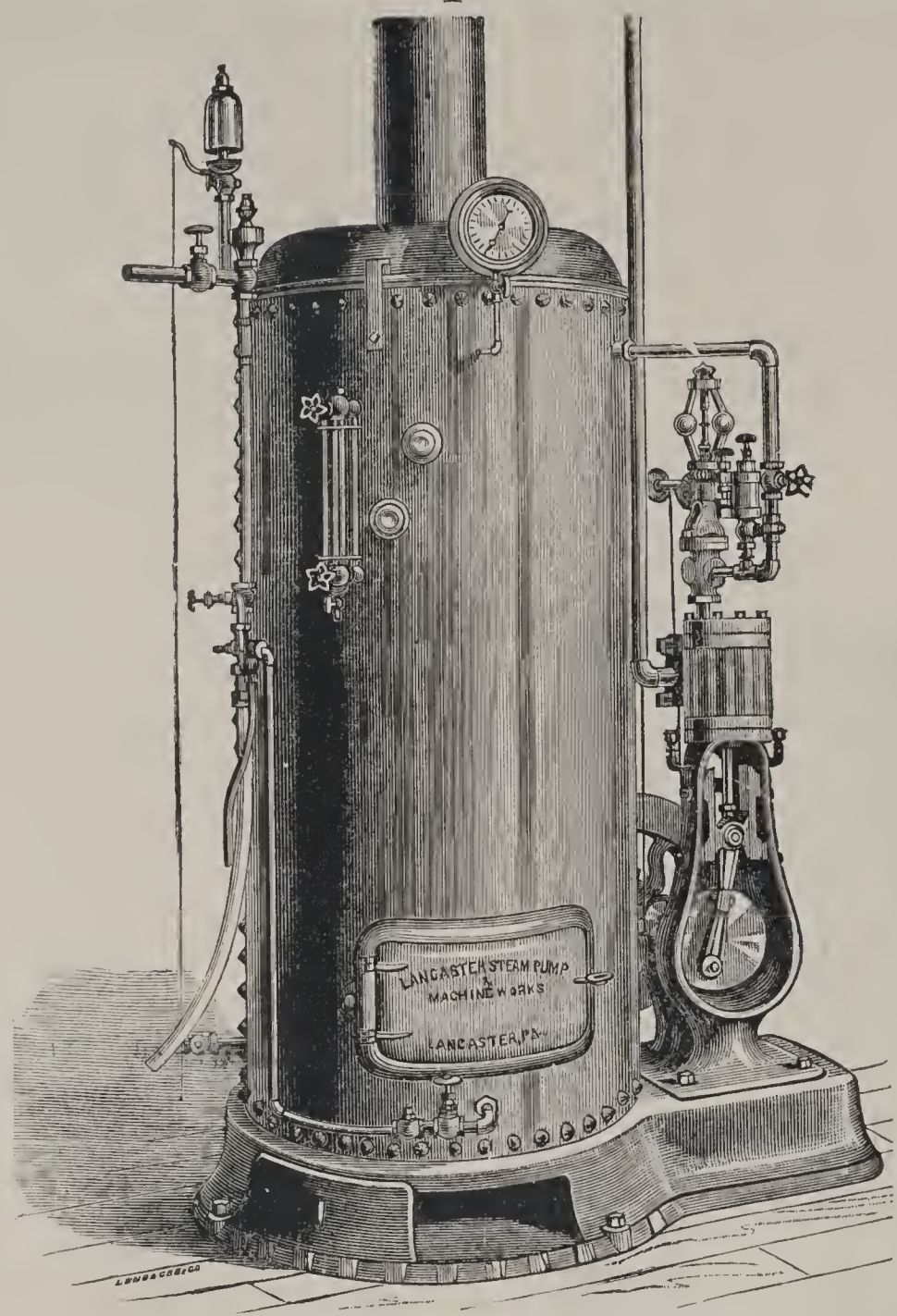
Made in sizes ranging from 20 H. P. to 1,000 H. P. capacity.

Illustrated Catalogues on Application.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

Lancaster Steam Pump and Machine Works.



3, 4, 6, 8 and 10 HORSE POWER.

The above cut represents our Vertical Engine and Boilers, of three or four horse power, which are always ready for immediate use, and placed on a combined base as here shown, or separate, as preferred by the purchaser. The boiler is of large size and can be furnished up to 10 horse power, on same base, if so desired. They are supplied with Injector and Hose, Pop Safety Valve, Steam Gauge, Gauge Cocks, Blow-Off Cocks, and an outlet for taking steam from the boiler for heating water or other purposes. The engine has a Pickering Governor, Sight-Feed Oiler, is well built and securely fastened to its base. These engines are well adapted to all kinds of work coming within reach of their capacity; all are tested before leaving our works. Boilers are safe at 150 lbs., while but 80 lbs. are required.

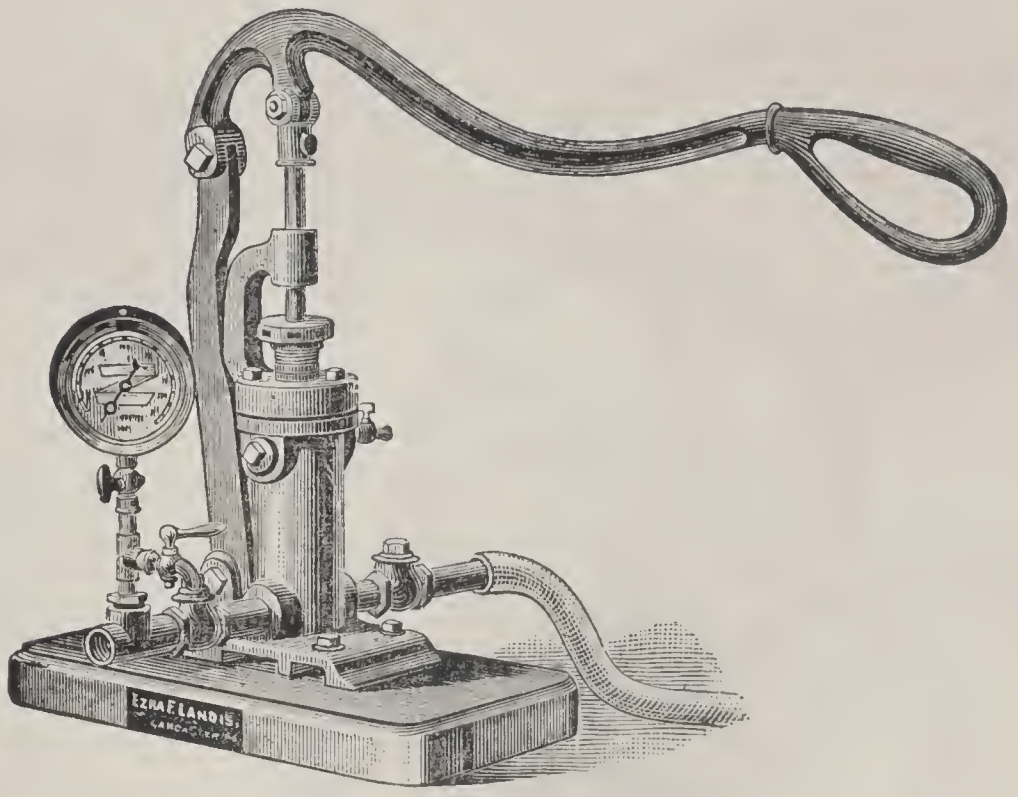
SEND FOR PRICES, WHICH ARE LOW.

Other Styles and Sizes of Engines as Desired.

Any Size or Style Boilers, Stacks, Tanks, &c., Made to Order.

LANDIS & HAVERSTICK, LANCASTER, PA.

SUCTION AND FORCE PUMP.



This Pump is used for every variety of Work for Suction and Forcing, Testing Pipes in Place, and especially for Boiler Testing.

Just what every Boiler maker, Boiler user, Machine Shop doing repair work, or any purpose requiring a strong pressure, needs. By the use of this pump, boilers can be tested by cold water pressure, and any weakness or defect in the boiler will show itself without any danger, as a pressure of 80 pounds cold water is equal to at least 125 pounds pressure. Also for filling boilers, cleaning out drain pipes, force or suction, etc.

Shop prices of this Pump with gauge complete as here shown is, **Single Acting, $25; same, Double Acting, $35;** with a fair discount to the trade for **Cash.**

FOR EXPORT BY

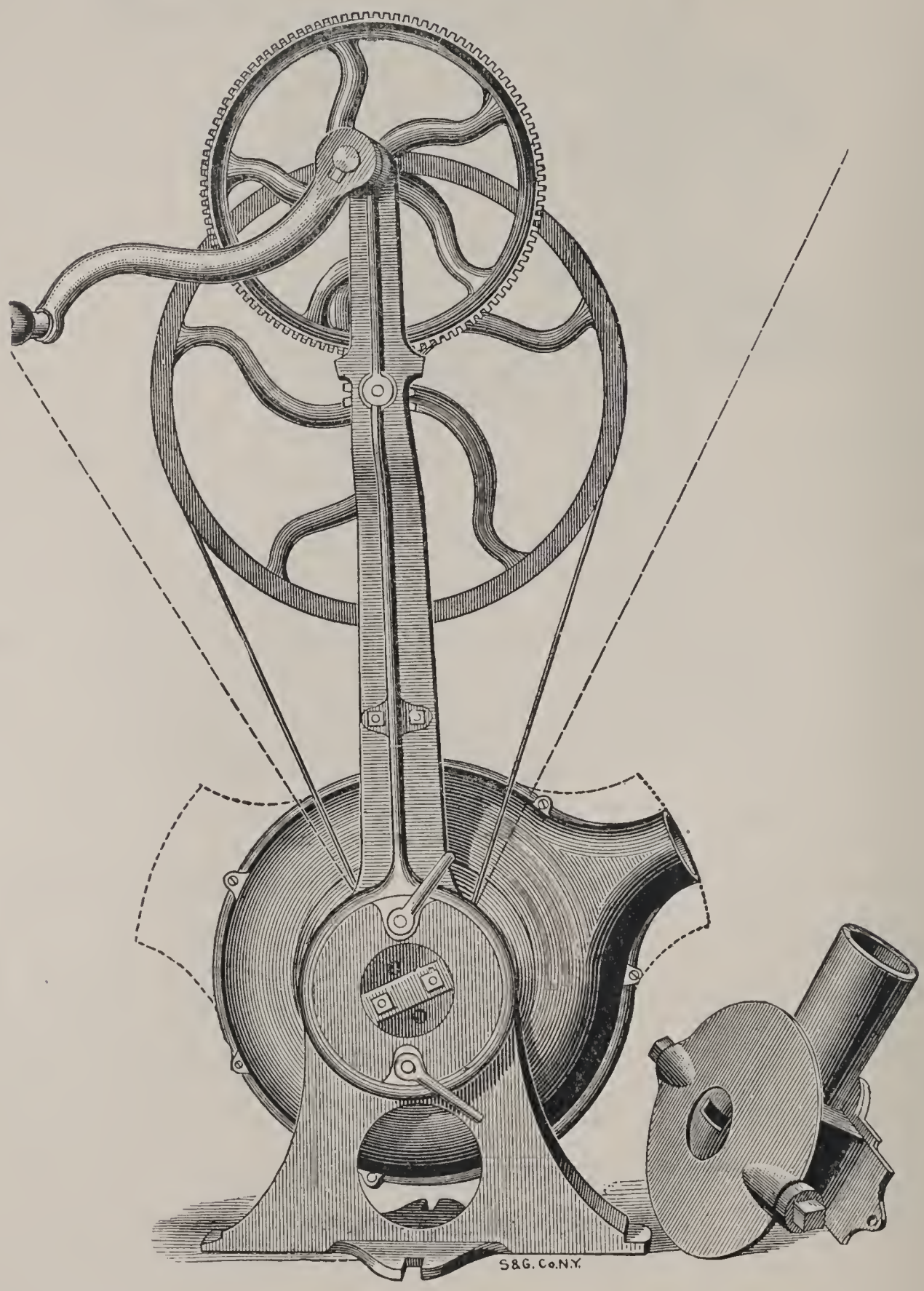
THE SEEGER & GUERNSEY CO., NEW YORK.

LANDIS & HAVERSTICK, LANCASTER, PA.

Lancaster Steam Pump

AND

MACHINE WORKS.



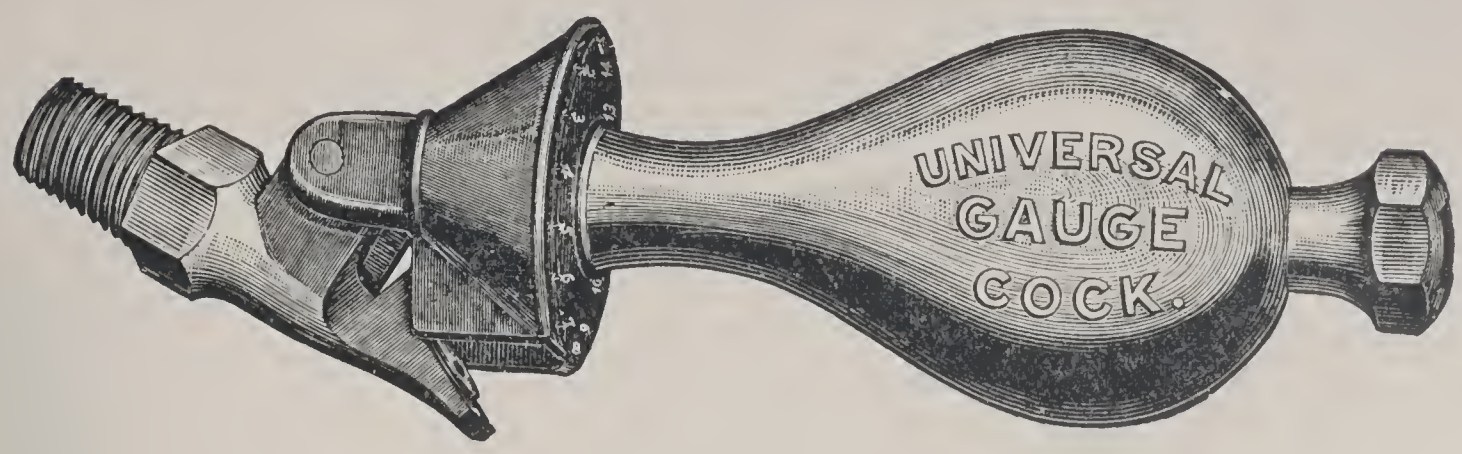
BLACKSMITHS AND OTHERS, TAKE NOTICE!

THE ECLIPSE FAN BLOWER

Is now made over New and Revised Patterns.

Prices reduced to suit the times. Every Fan Guaranteed.

UNIVERSAL GAUGE COCK.



A reliable and convenient Gauge Cock is a very important and necessary appliance to a steam boiler, and especially one that is easily adjusted and kept in order.

The cut herewith represents a *new*, novel and very *efficient* Gauge or Try Cock for Steam Boilers. It combines all the requisites in a *perfect appliance* of its kind, *having at least 25 different seats*—all perfect, a fact which will be *highly appreciated* by the practical and scientific engineer. The *construction is simple*. The packing—excepting that narrow space in use—is firmly held in place between the conical end and hood through which the bolt passes to the end of weight, and to renew the seat *all that is required* is to release the nut turning the cylindrical cone to a new station. This operation is continued until the whole sphere is traversed, thus saving a *great annoyance* in the *replacement of worn-out seats.*

ITS ADVANTAGES ARE:

1. Its superiority over any Gauge Cock of its class on the market.
2. Its adaptability and easy adjustment.
3. The multiplicity of seats—from 25 to 30 on each Gauge Cock, all perfect.
4. Simplicity of construction—not liable to get out of order. Cheap and durable.
5. The ease in forming new seats when old ones become defective—and which can be done under full pressure of steam.
6. The seat is of soft metal and encircles the entire end of the cone, being held in place by the hood through which the bolt passes and is firmly held, except when changing to a new seat.
7. Are highly appreciated by every practical and scientific engineer or boiler maker.

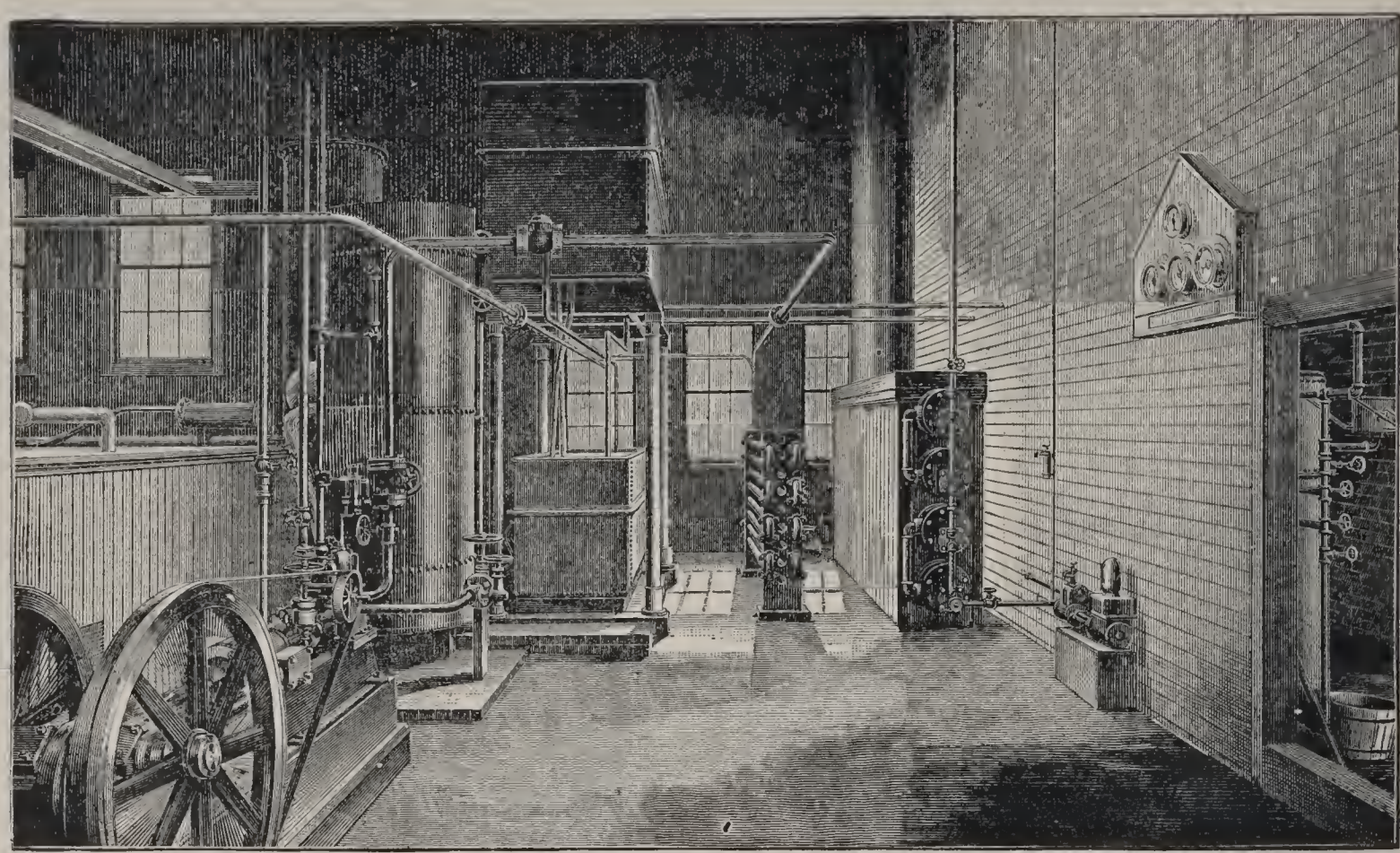
Buy the Universal Gauge Cock. It will Save You Money.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

SULZER-VOGT MACHINE CO., LOUISVILLE, KY., U. S. A.

329 to 335 E. MAIN STREET.



ICE MACHINES.

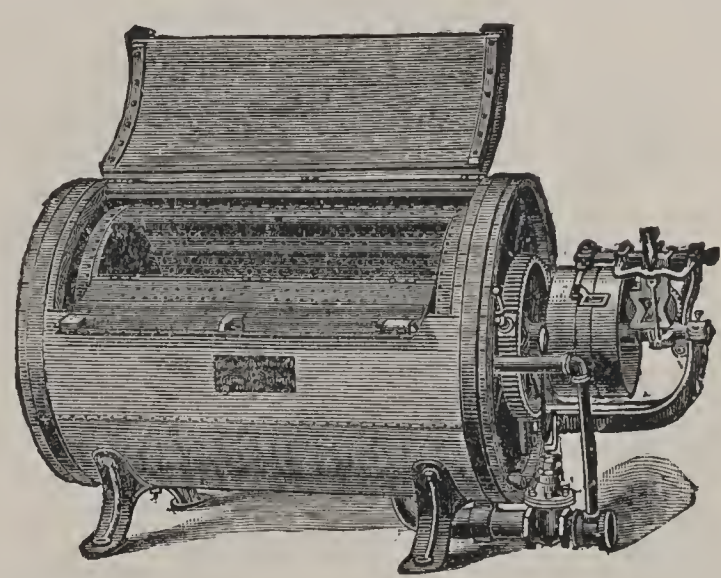
REFRIGERATING MACHINES—The Absorption System.

TROY LAUNDRY MACHINERY CO., (LIMITED) U. S. A.

Factories: 648 & 650 Fulton St., Troy. 395 to 401 Fifth Ave., Chicago.

Salesrooms: 15 Warren St., New York. 583 Mission St., San Francisco, Cal.

Washers,
Wringers,
Starchers,
Dry Rooms,
Mangles,
Collar & Cuff Ironers
Shirt Ironers.



Stoves,
Starch Kettles,
Fluters,
Collar Folders,
Cuff Shapers,
Filters,
Wagons.

Our line of machinery is the best and most complete in the world.
Write for Catalogue and any information in our line desired.

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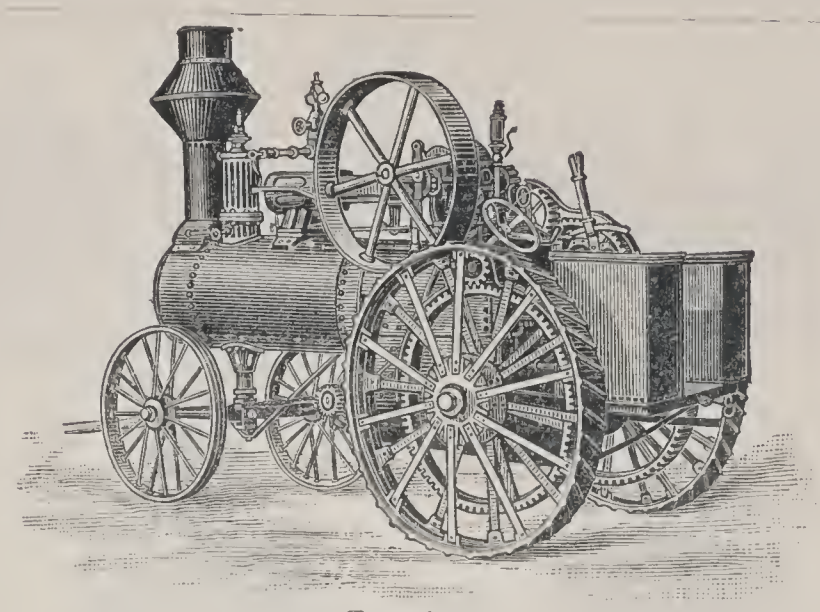
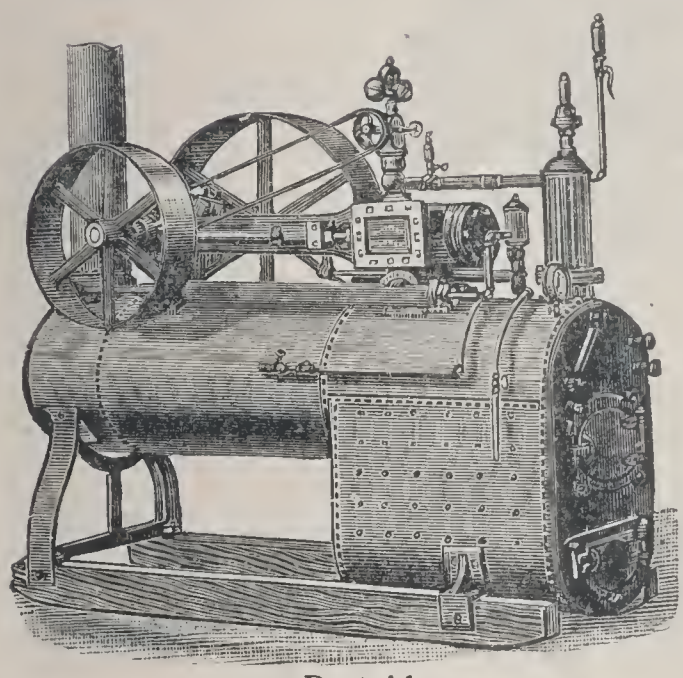
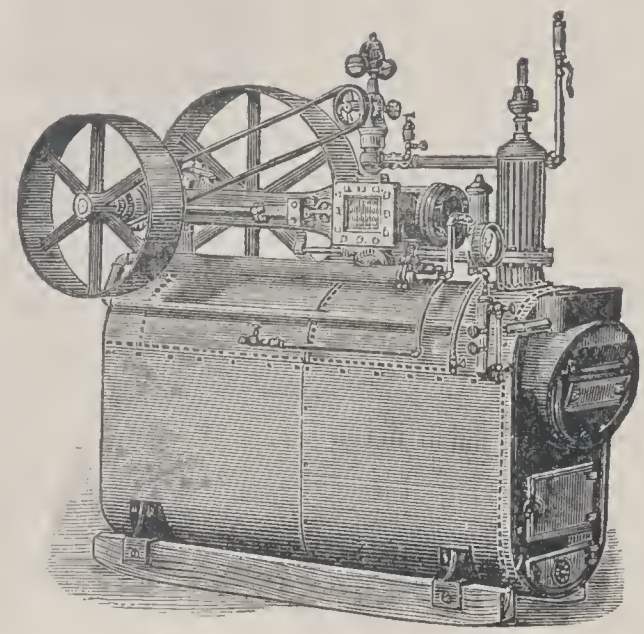
WATERTOWN STEAM ENGINE CO., WATERTOWN, N. Y.



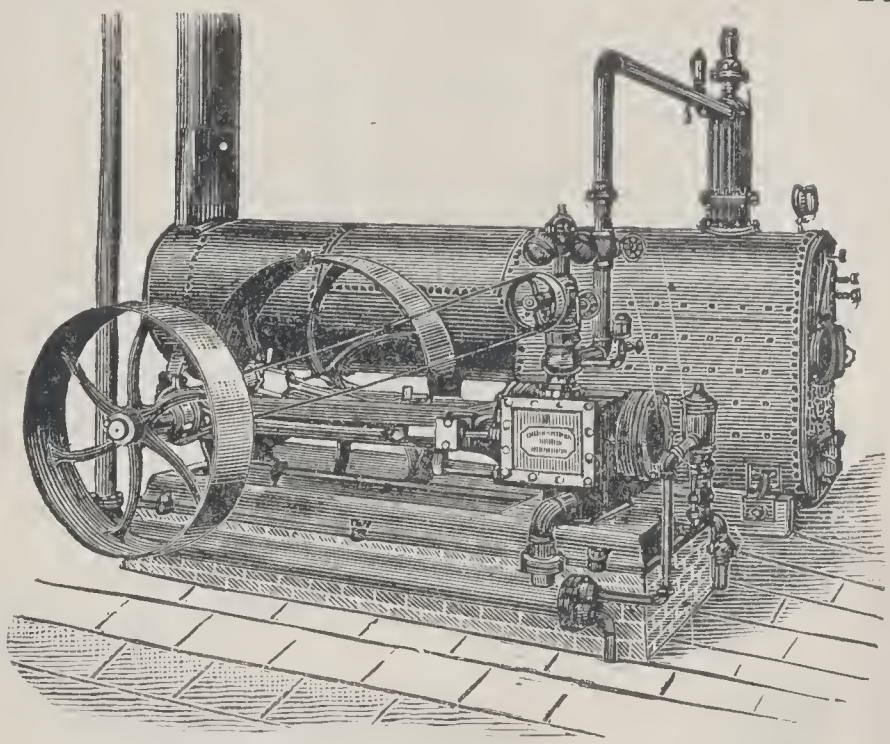
Traction



Portable



Dairy



Straight Line Engine and Locomotive Boiler

For catalogues and other information address

Watertown Steam Engine Co., - - Watertown, N. Y.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE DEANE STEAM PUMP CO., HOLYOKE, MASS.

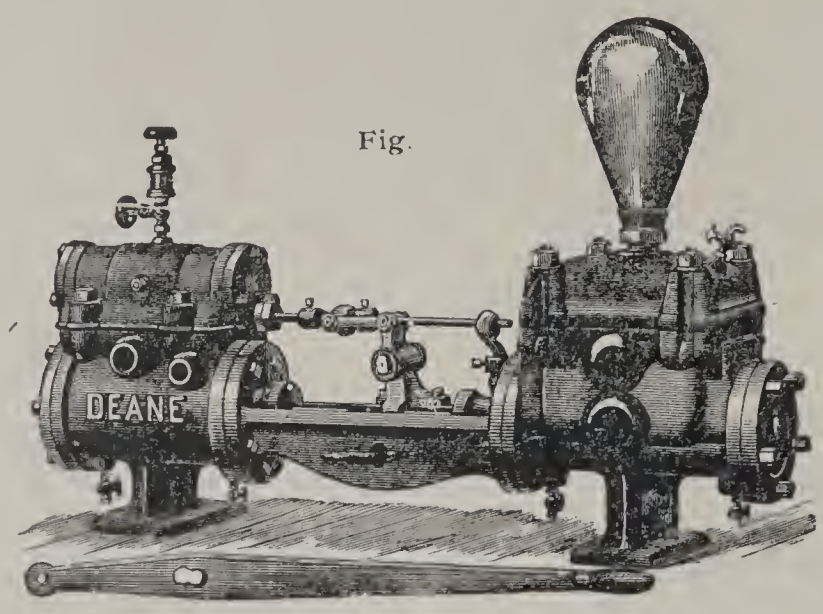
MANUFACTURE

STEAM PUMPS

OF EVERY VARIETY.

All Styles and for all Duties.

Fig.



No. 4 Boiler Feed Pump, with Hand Lever.

Boiler Feed, Tank, Fire, Vacuum, Oil, Air & Tar Pumps

List of Prices and Dimensions of Regular Sizes.															Boilers.			Pump and Boiler.	
Cable.	Number.	Diam of Steam Cyl. in inches.	Diam. of Water Cyl. in inches.	Length of Stroke in inches.	Gallons per Stroke.	Capacity per Minute at Given Speed.		Extreme Length in inches.	Extreme Width in inches.	Size of Steam Supply Pipe.	Size of Steam Exhaust Pipe.	Size of Suction.	Size of Discharge.	Price Pumps.	Diam. of Shell.	Height of Shell.	Number of Tubes.	Weight Ready for Shipping.	Price Complete.
Elver ...	0	3	2	5	.06	150 Str.	9 Gal.	29½	7	½	¾	1¼	1	$85	20	48	20	1250	$275
Embay ..	1	3½	2¼	5	.08	150 Str.	12 Gal.	33½	7½	½	¾	1¼	1	115	20	48	20	1300	300
Embed...	1½	4	2⅜	5	.10	150 Str.	15 Gal.	33½	7½	½	¾	1¼	1	125					
Emery...	2	4	2½	5	.11	150 Str.	16 Gal.	33½	7½	½	¾	1¼	1	140	20	48	20	1300	325
Emmet ..	2½	4¾	3	5	.15	150 Str.	22 Gal.	34	8½	½	¾	1½	1¼	150					
Empty...	3	5	3¼	7	.25	125 Str.	31 Gal.	43½	9¼	¾	1	2	1½	200	24	60	25	1800	450
Emule...	4	5½	3¾	7	.34	125 Str.	42 Gal.	43½	9¼	¾	1	2	1½	225	24	60	25	1800	475
Enact ...	4½	7	4¼	8	.49	120 Str.	58 Gal.	51½	12	1	1½	3	2	275	24	60	25	2050	525
Enate....	5	7	4½	10	.69	100 Str.	69 Gal.	55	12	1	1½	3	2	350	30	60	60	2800	675
Ender ...	6	7½	5	10	.85	100 Str.	85 Gal.	55	12	1	1½	3	2	375	30	60	60	2800	700
Endow ..	6½	8	5	12	1.02	100 Str.	102 Gal.	63	14	1	1½	3	2½	400	30	60	60	3000	725

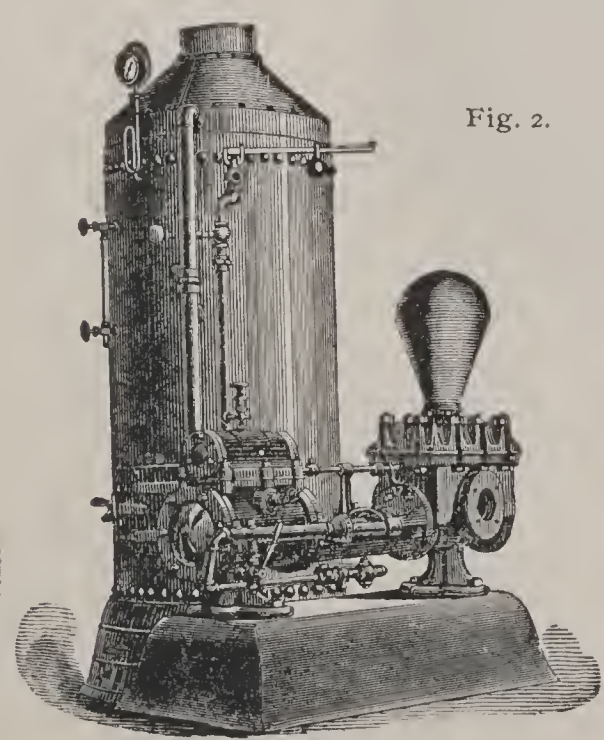


Fig. 2.

AMMONIA AND BRINE PUMPS

—FOR—

Ice Manufacturing

AND

REFRIGERATORING PROCESSES.

COMBINED

STEAM PUMPS AND BOILERS,

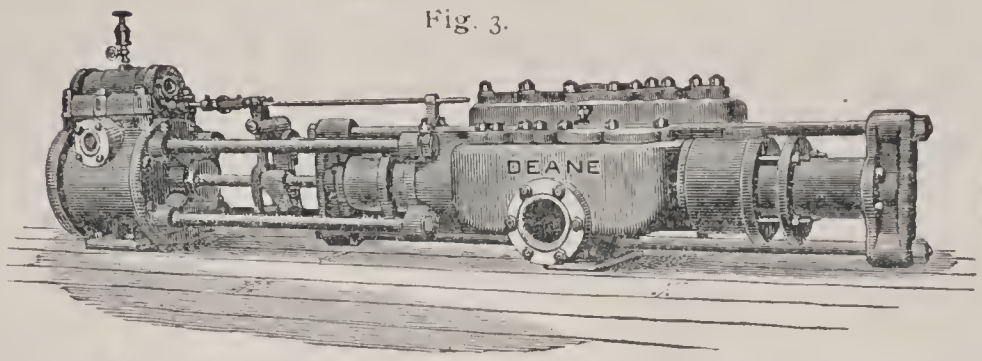
complete with all fittings and trimmings. This apparatus is light, compact, strong and simple. It is easily understood and managed.

SEND FOR ILLUSTRATED CATALOGUE.

Address all business communications to the company direct, or to THE SEEGER & GUERNSEY CO.

THE DEANE STEAM PUMP CO., HOLYOKE, MASS.

Fig. 3.

Mine  Pumps

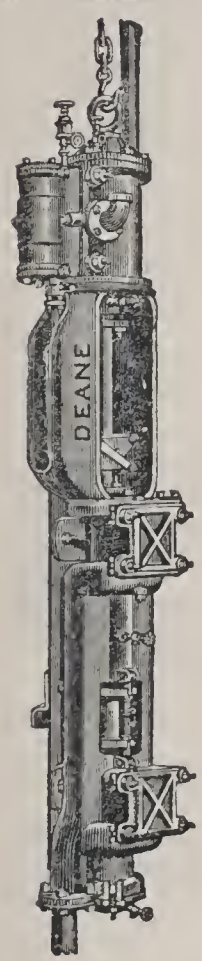
Deane Double Plunger Mine Pump, with 14-inch Steam Cylinder, 7-inch Water Cylinder, 12-inch Stroke.

List of Prices and Dimensions of Double Plunger Mining Pumps.

Cable.	Steam.	Plungers.	Stroke.	Gallons per Stroke.	Gallons per Minute at 100 feet.	Approximate Length in inches.	Approximate Width in inches.	Steam.	Exhaust.	Suction.	Discharge.	Weight.	Price.
Endue	12	5	12	1.02	102	108	18	2	2½	4	4	2500	$625
Enemy	12	6	12	1.46	146	108	20	2	2½	4	4	2600	650
Enjoy	14	6	12	1.46	146	108	20	2	2½	4	4	2700	725
Ennui	14	6	16	1.96	146	128	22	2	2½	4	4	3350	775
Enode	14	7	12	1.99	199	110	25	2	2½	5	5	3160	825
Enorm	14	7	16	2.66	199	128	25	2	2½	5	5	3700	850
Ensky	16	7	18	2.98	199	140	26	2	2½	5	5	4700	975
Ensue	16	8	18	3.91	256	140	32	2	2½	6	5	4870	1050
Ental	18	8	18	3.91	256	144	32	3	3½	6	5	5700	1250

List of Prices and Dimensions of Sinkers with Center Packed Plungers.

Diam. Steam Cyl. in inches.	Diam. Plungers in inches.	Length of Stroke in inches.	Gallons per Stroke.	Capacity per Minute at Given Speed.	Weight Ready for Shipping.	Space Occupied.	Size of Steam Supply Pipe.	Size of Steam Exhaust Pipe.	Size of Suction.	Size of Discharge.	Price.
7	3½	12	.50	100 Str. 50 Gal.	1150	21x22	1	1½	3	2½	$350
8	4	12	.65	100 Str. 65 Gal.	1450	24x24	1	1½	3	2½	400
10	5	16	1.36	70 Str. 95 Gal.	2330	27x30	1½	2	5	4	475
12	6	16	1.96	70 Str. 137 Gal.	2550	30x30	2	2½	5	4	525
12	7	16	2.66	70 Str. 186 Gal.	2850	30x32	2	2½	6	5	575
14	7	16	2.66	70 Str. 186 Gal.	3370	32x32	2	2½	6	5	650
14	8	16	3.50	70 Str. 245 Gal.	3700	32x34	2	2½	8	6	750



Mine Pumps

OF ALL STYLES.

Fig. 4. Fig. 5.

We have patterns of pumps especially designed for severe work in mines.

The left hand cut represents the

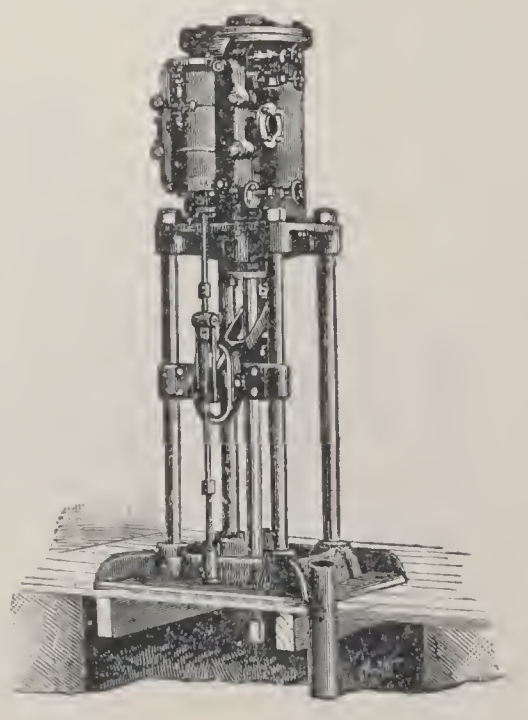
DEANE PATENT VERTICAL

SINKING PUMP.

It can be readily lowered as water level changes. All styles of Vertical and Artesian Engines for use in connection with pumps in deep wells.

Address all business communications to the company direct, or to

THE SEEGER & GUERNSEY CO.



THE DEANE STEAM PUMP CO., HOLYOKE, MASS.

PUMPING MACHINERY,

Steam and Power, Duplex and Single.

OF ALL SIZES.

THE DEANE

Duplex Pump

is recommended for situations where noiseless running is required, and for

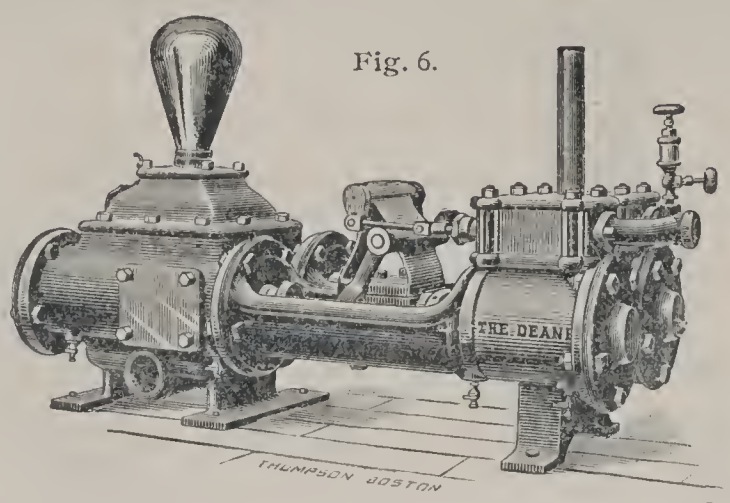


Fig. 6.

Water Works Engines.

Send for full information and illustrated catalogue.

Duplex Pump, with 6-inch steam cylinders, 4-inch plungers, and 6-inch stroke.

List of Prices and Dimensions of Regular Sizes of Duplex Pumps.

Cable	Diam. of Steam Cyls. in inches	Diam. of Plungers in inches	Length of Stroke in inches	Gallons per Stroke of One Plunger	Stroke per Minute of each Plunger.	Total Capacity per Minute at given speed	Size of Steam Supply Pipe	Size of Steam Exhaust Pipe	Size of Suction	Size of Discharge	Price.
Erect.....	3	2	3	.04	75 to 200	6 to 16	⅜	½	1	¾	$75
Ergot.....	4½	2¾	4	.1	75 to 150	15 to 30	½	¾	2	1½	120
Ermin....	5¼	3½	5	.2	75 to 150	30 to 60	¾	1¼	2½	1½	150
Erode.....	6	4	6	.33	75 to 125	50 to 80	1	1½	3	2	170
Error.....	7½	4½	10	.69	50 to 100	70 to 140	1½	2	4	3	345
Eruct.....	9	5¼	10	.93	50 to 100	90 to 185	2	2½	4	3	395
Escot.....	10	6	10	1.22	50 to 100	125 to 245	2	2½	5	4	430
Essay....	10	7	10	1.66	50 to 100	165 to 335	2	2½	6	5	510
Ester.....	12	7	10	1.66	50 to 100	165 to 335	2½	3	6	5	550
Estop.....	14	7	10	1.66	50 to 100	165 to 335	2½	3	6	5	610

BILGE, CIRCULATING, DRAINAGE, HYDRAULIC, LOCOMOTIVE, MARINE, QUARRY, SUGAR HOUSE, WRECKING PUMPS, ETC.

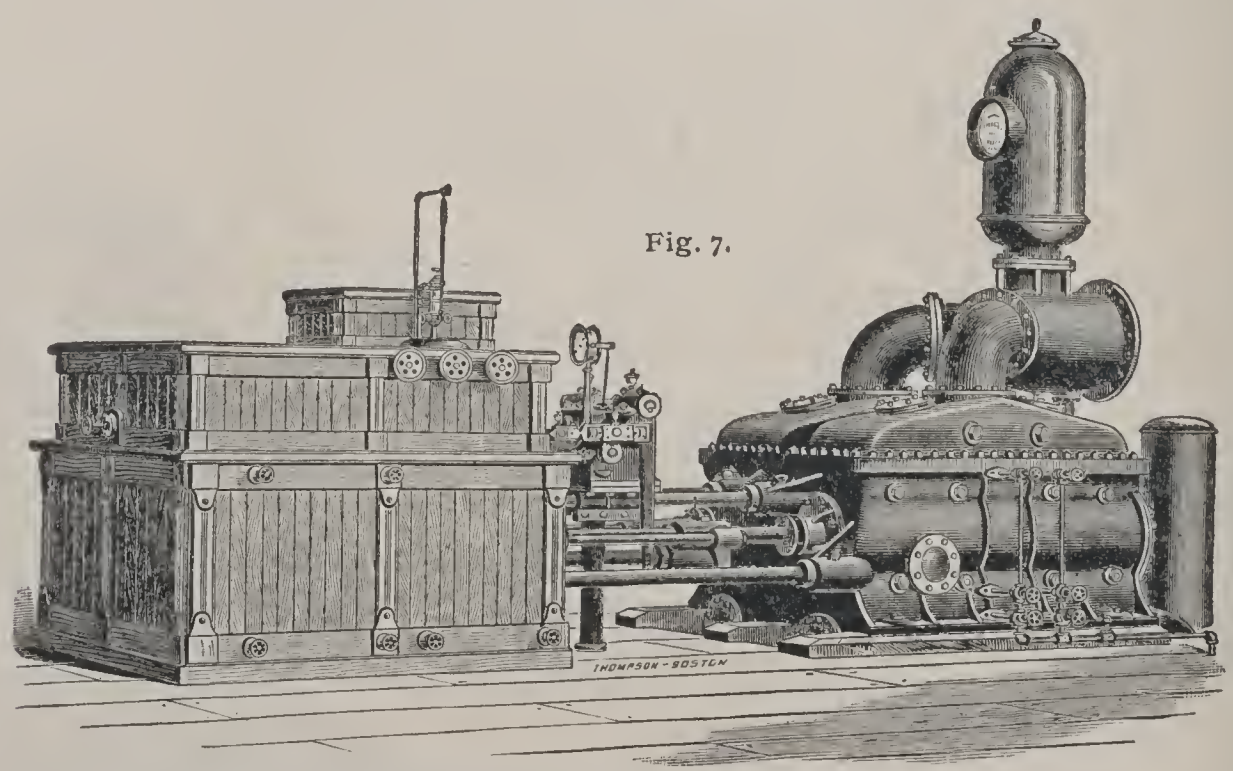


Fig. 7.

Deane Water Works Engine. Capacity, five million gallons per 24 hours.

Address all business communications to the company direct, or THE SEEGER & GUERNSEY CO.

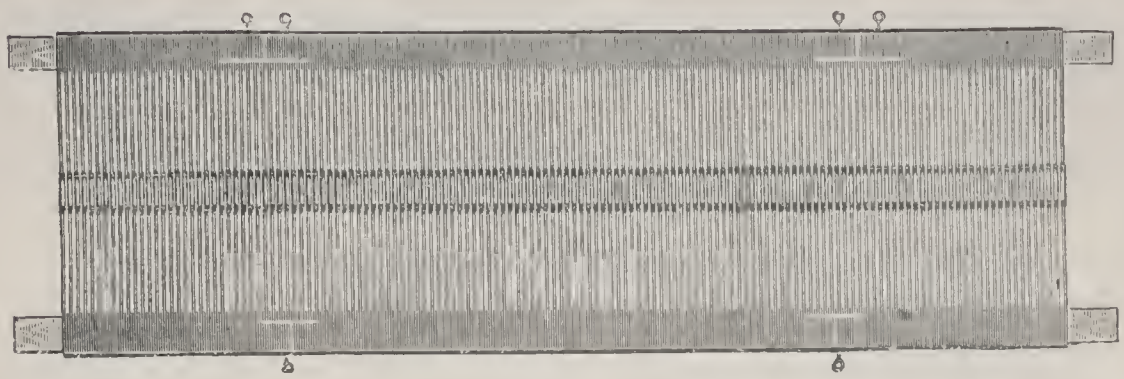
American Supply Co., Providence, R. I.

Manufacturers of all kinds of

SUPPLIES FOR COTTON AND WOOLEN MILLS,

SALESROOMS:

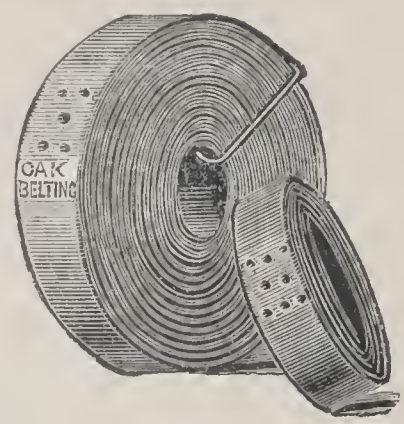
No. 10 EXCHANGE PLACE, PROVIDENCE, R. I.



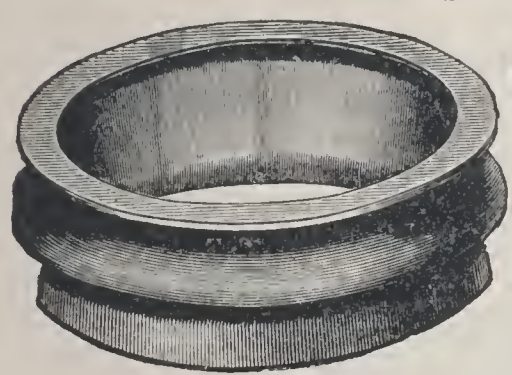
Harness

Reed

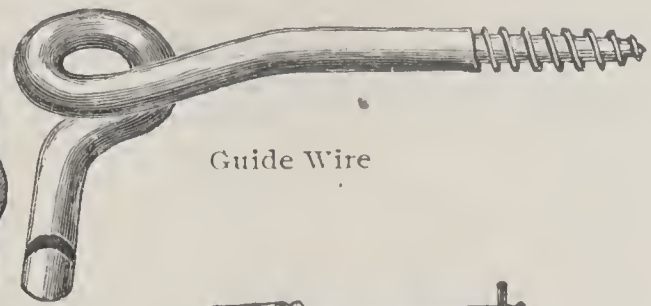
Shuttle



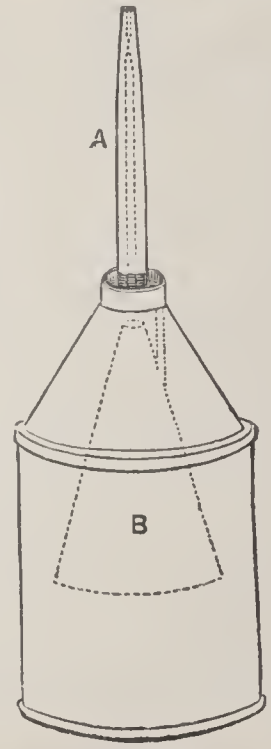
Belting



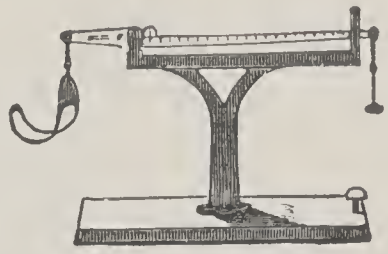
Spinning Ring



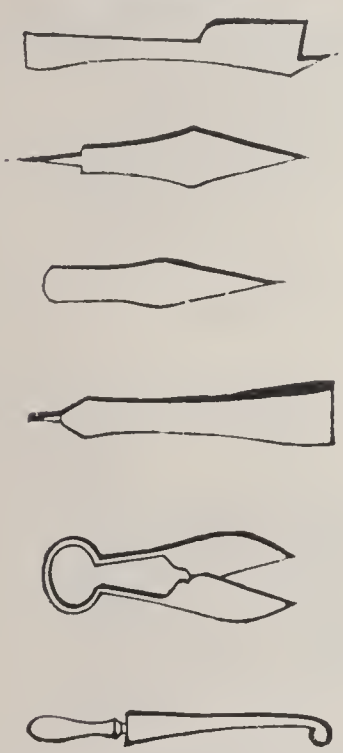
Guide Wire



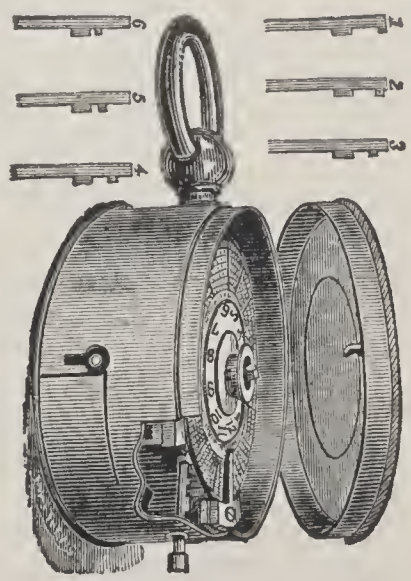
Oil Can



Yarn Scales



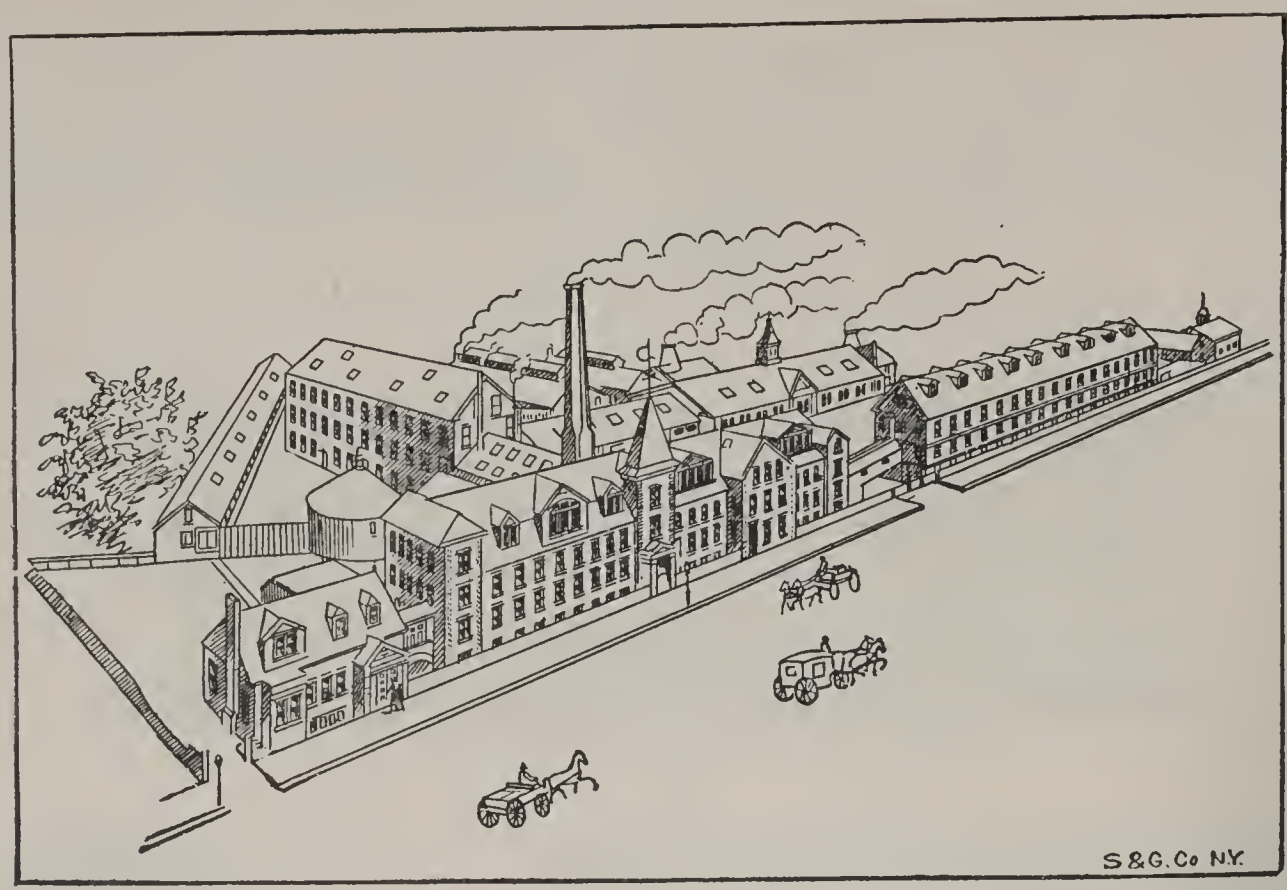
Burling Irons, Point Nippers, &c.



Watchman's Clock

Hose

Crompton Loom Works, Worcester, Mass.



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Cloakings
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Cigar Ribbons
Coatings
Castor Beavers
Cottons
Cottonades
Cretonnes
Counterpanes
Corsetings
Calicoes
Crinolines
Corset Jeans
Cambrics
Cotton Flannels
Curtains
Doeskins
Dress Goods
Domestics
Denims
Drillings
Diagonals
Ducks
Damasks
Flannels
Fancy Cassimeres
Frockings
Ginghams
Gorings
Handkerchiefs
Honeycombs
Hollands
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Jaconets
Jeans
Kerseys
Linens
Lenos
Lastings
Linings
Martells
Muslins
Mohairs
Merinos
Moreens
Moscow Beavers
Nankeens
Orleans
Osnaburgs
Poplins
Piqués
Plaids
Percales
Pilot Cloths
Quilts
Repellants
Ribbons
Roller Cloths
Reps
Rugs
Satinets
Shawls
Sackings
Sheetings
Satines
Serges
Scotch Plaids
Silks
Satins
Silesias
Suspenders
Tweeds
Tapes
Tricots
Terrys
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The Crompton Fancy Woolen and Worsted Looms are on the preferred "close-shed" principle, and always guarantee a smooth, firm fabric.

The Crompton Standard Gingham and Plaid Loom is unrivalled for high speed, nicety of operation and minimum wear and tear.

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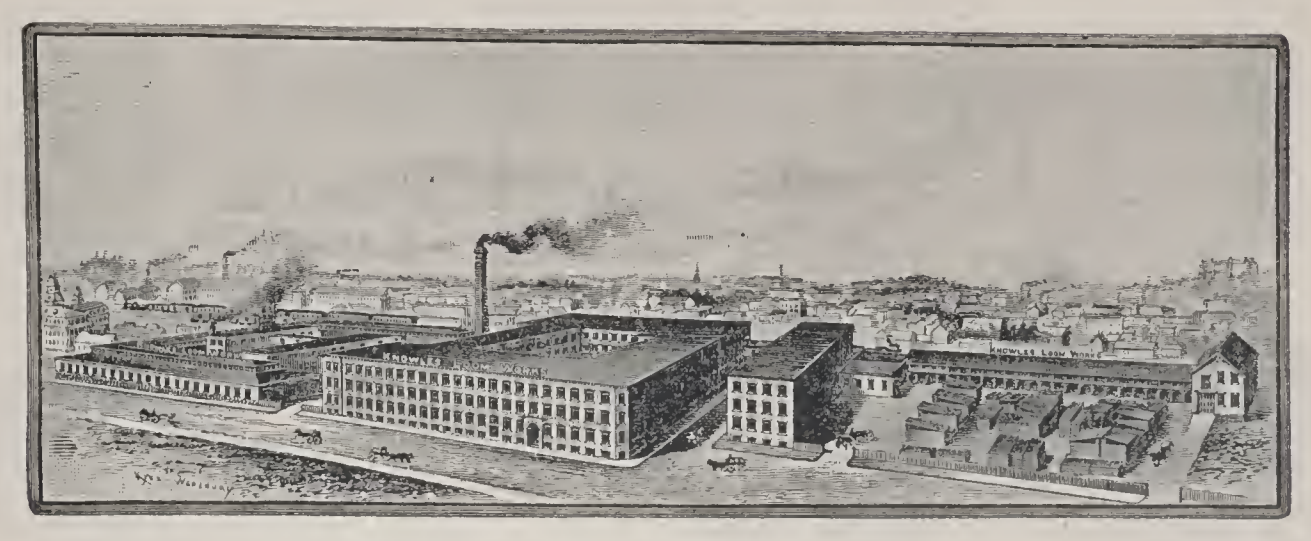
Knowles Loom Works, Worcester, Mass.



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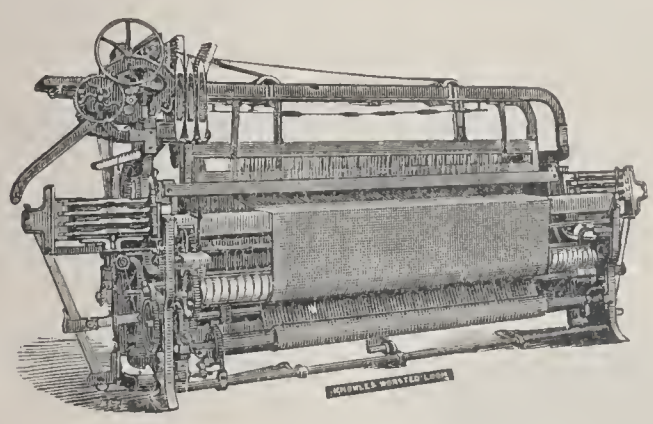
Open Shed Fancy Looms,

And Every Variety of Weaving Machinery.

(See pages 414, 415, 416, 417 and 419, Section I, of this book.)

The above cut represents the new plant of the Knowles Loom Works. The largest and best equipped manufactory for the building of Fancy Woolen, Cotton and Silk Looms in this country.

We are now thoroughly settled in our new works and are better prepared than ever to meet the constantly increasing demand for the Knowles Loom for all classes of goods.



Worsted Loom.

We desire most respectfully to call the attention of Textile Manufacturers to the various Looms built by this company for all kinds of fabrics, including

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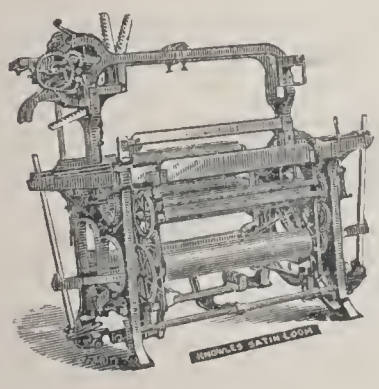
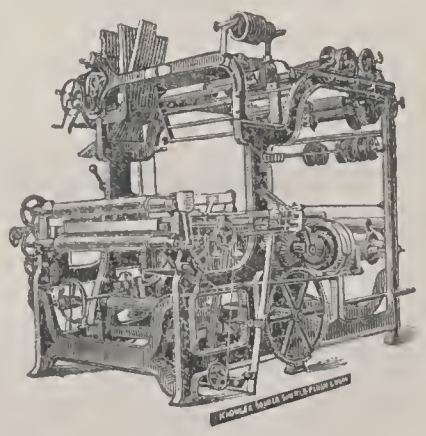
WEBBINGS, ETC.



Silk Loom.



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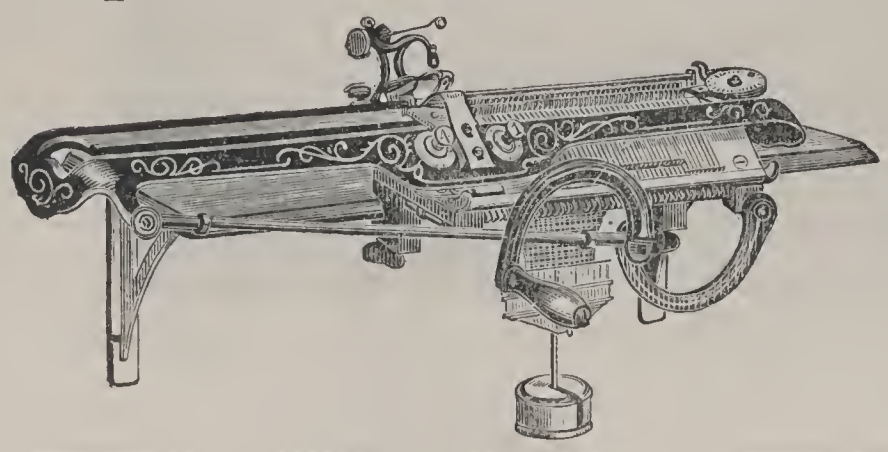
THE

Improved Lamb Family Knitting Machine.



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Knits Hosiery, Gloves, and Mittens of all sizes, complete.

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Sherman "King" Vaporizer Co., CHICOPEE FALLS, MASS BOSTON. NEW YORK.

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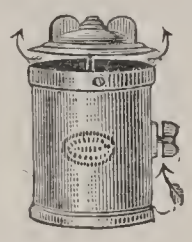
Self-Acting. Continuous. **PURE**  **AIR** Inexpensive. Reliable.

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Massachusetts Arms Co., Chicopee Falls, Mass.

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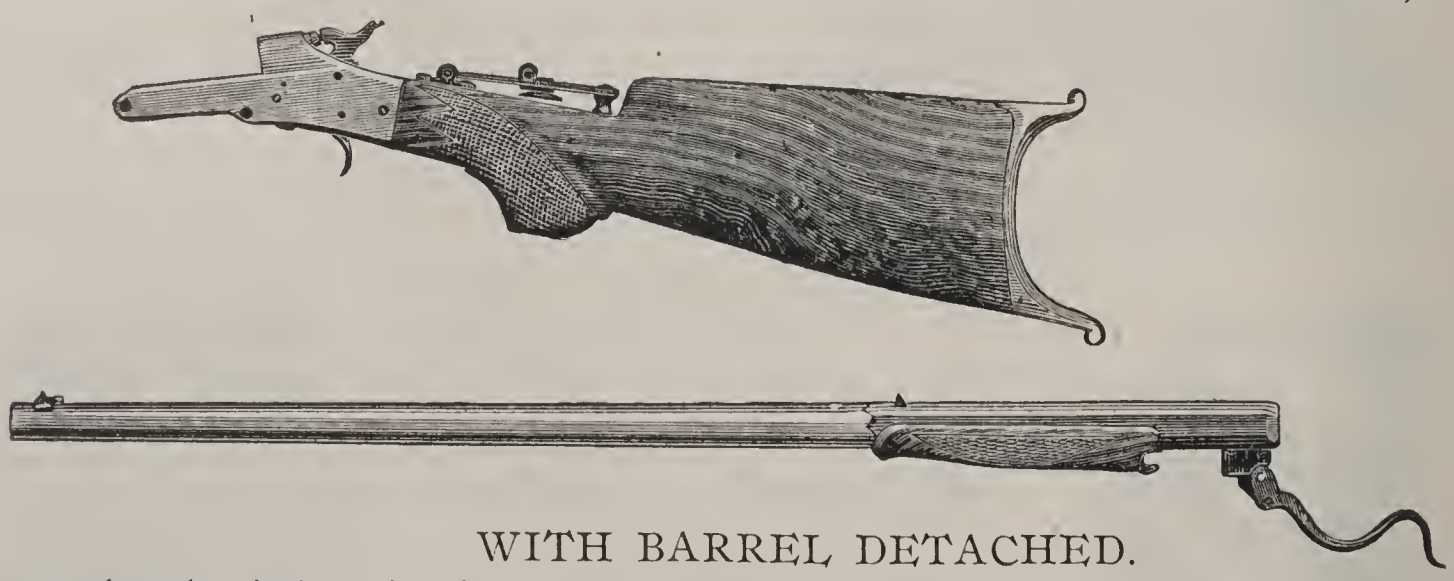

WITH BARREL DETACHED.

Into a stock, such as is shown in this engraving, barrels of different calibres may readily be fitted. This Rifle can be quickly detached and packed into the smallest compass. Travellers, tourists, business men, can carry the Maynard Rifle packed in their trunks, and at a few moments' notice be ready for target or game shooting. Send for our new price list and circular for the only genuine

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THE WOONSOCKET MACHINE & PRESS CO., WOONSOCKET, R. I.

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COTTON, WOOLEN and SILK MACHINERY,

Together with complete Mill Outfits of Transmission Power, etc., etc.

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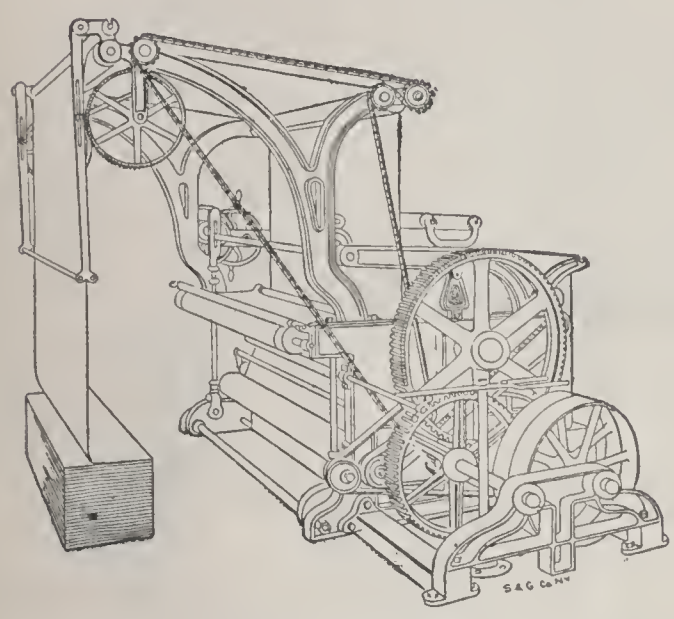
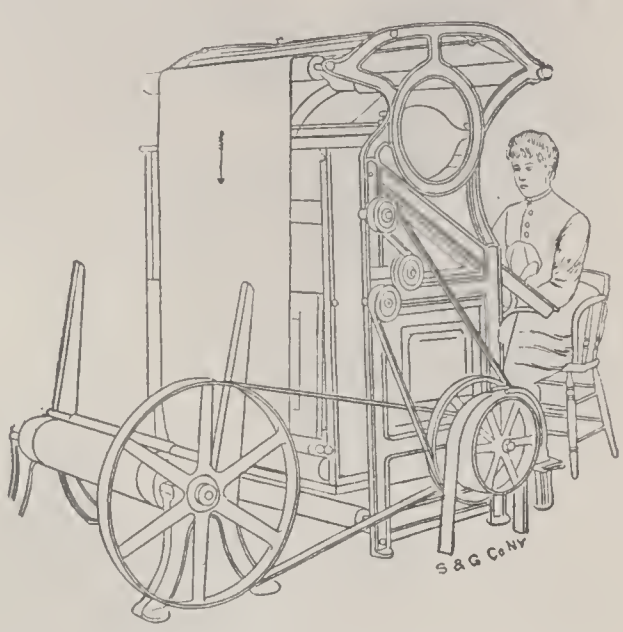


Rotary Cloth Press.



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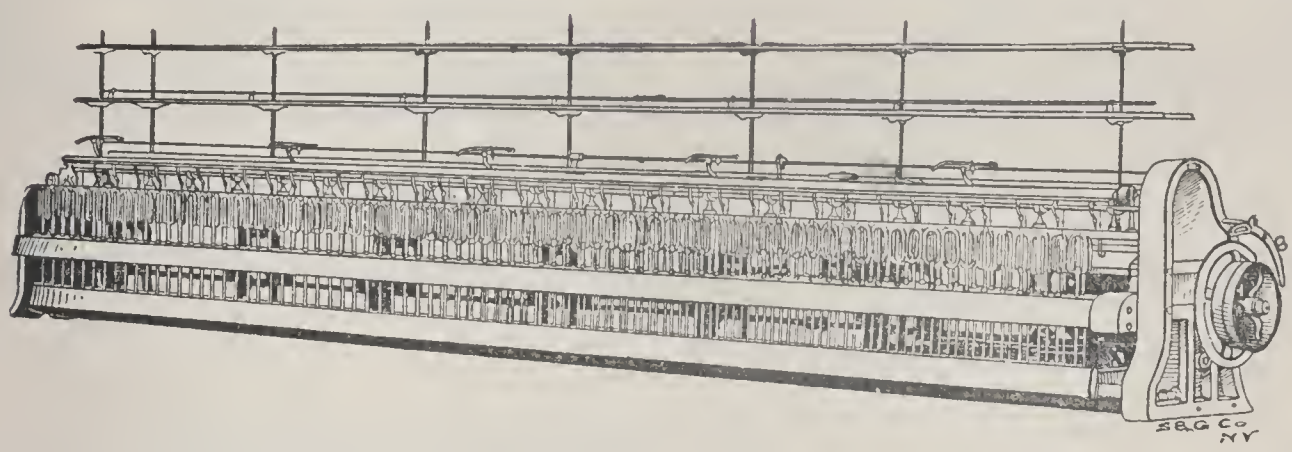
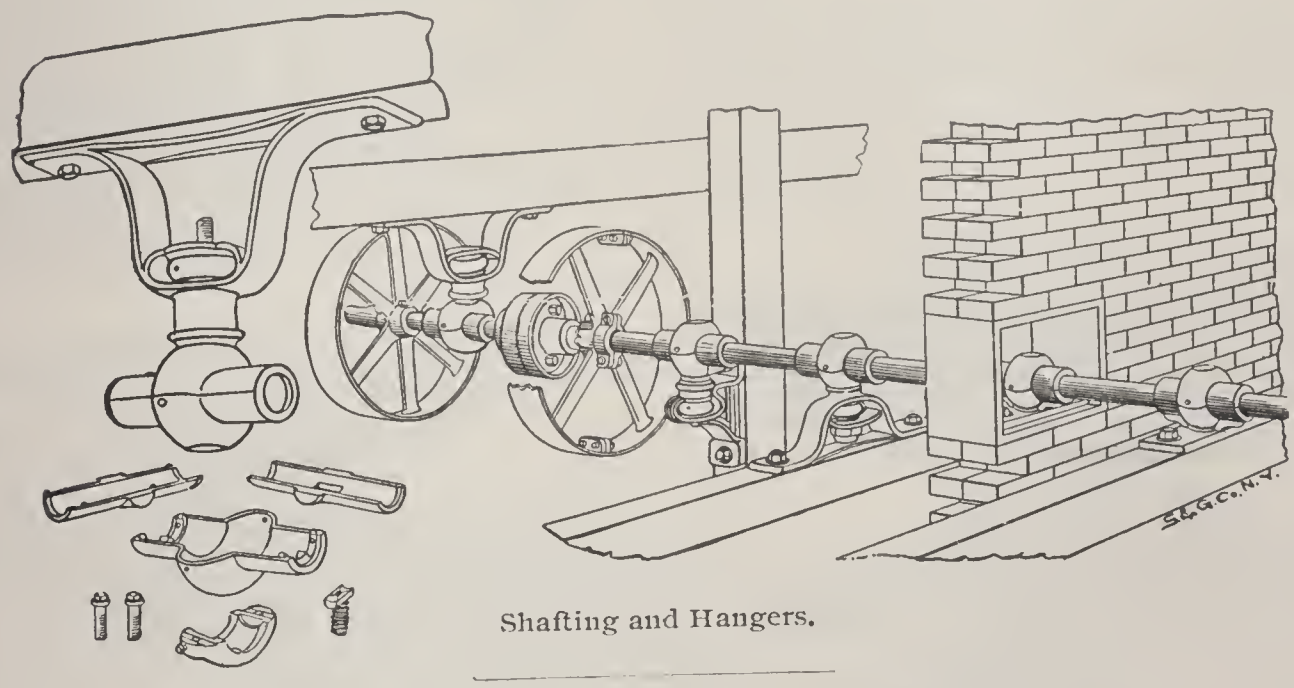


Roving Frame.



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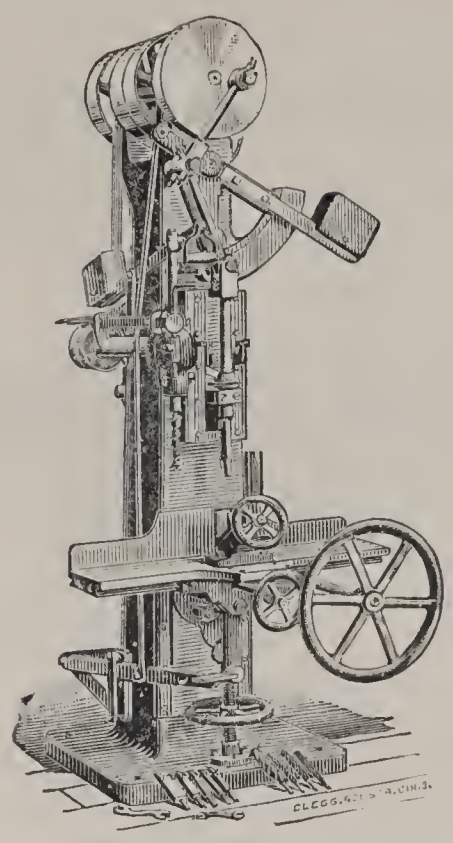
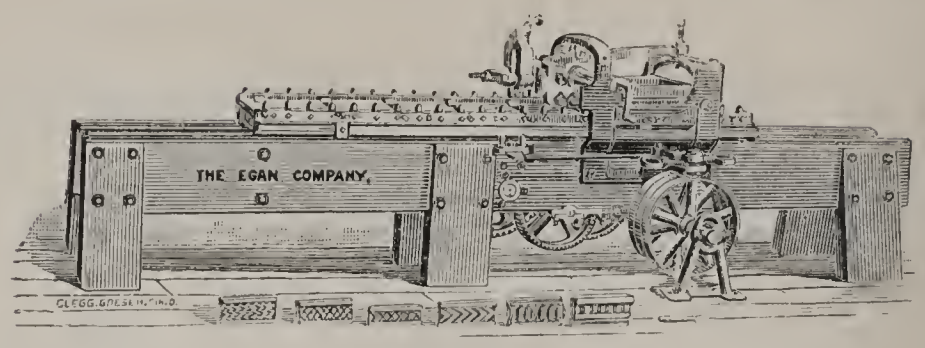
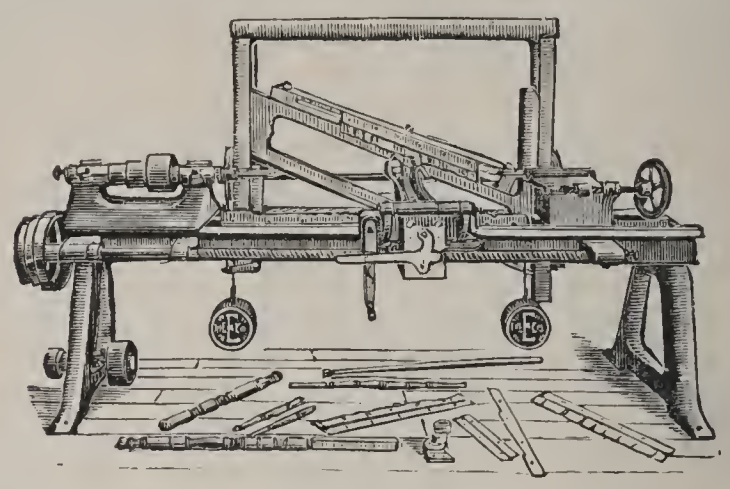


No. 5 Power Mortiser.
For Heavy or Light Work.
Mortising ¼ inch to 3 inches wide and 6 inches deep in any kind of wood.



Automatic Carving Machine—7, 9 and 12 foot lengths.
Will carve in imitation of hand work. Patterns unlimited.



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OF EVERY DESCRIPTION.

Catalogues and information sent on application.

Our Line is the Largest in the United States. Complete Outfits Furnished.

Write to us for anything you may need in the Wood-Working Machinery Line,

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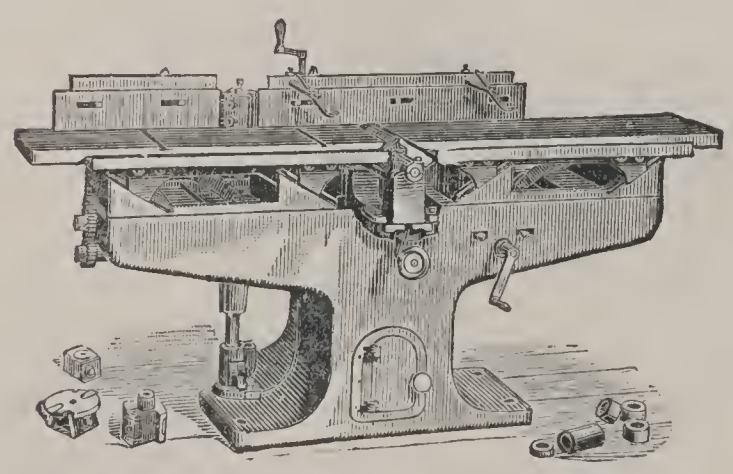
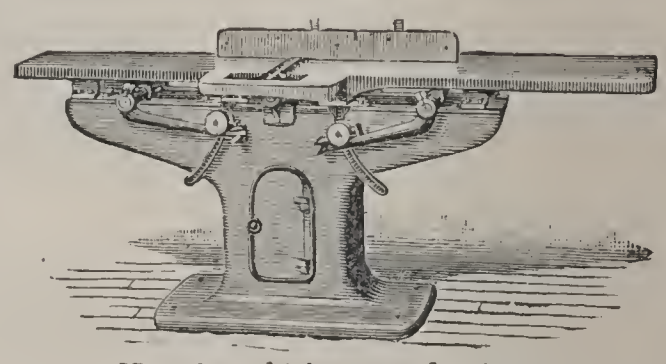


No. 2 Universal Wood-Worker. With Upright Mandrel. Main Head, 10½ inches wide. The Latest Improvement.



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8, 12, 16, 20, 24 and 30 inches. Tables arranged for raising and lowering independently.

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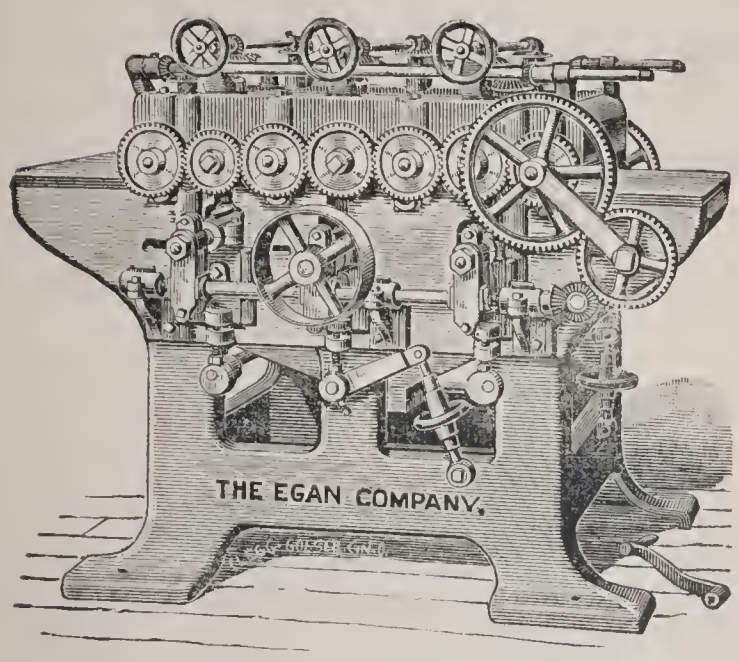
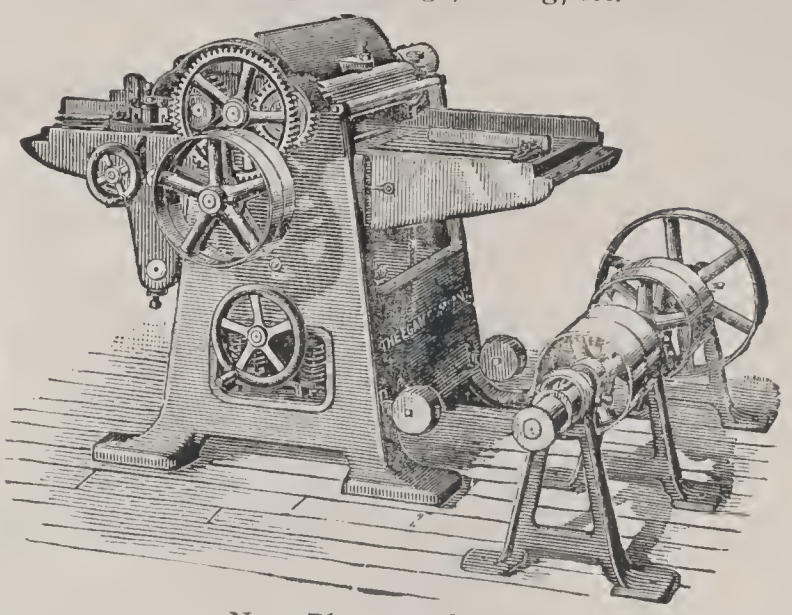
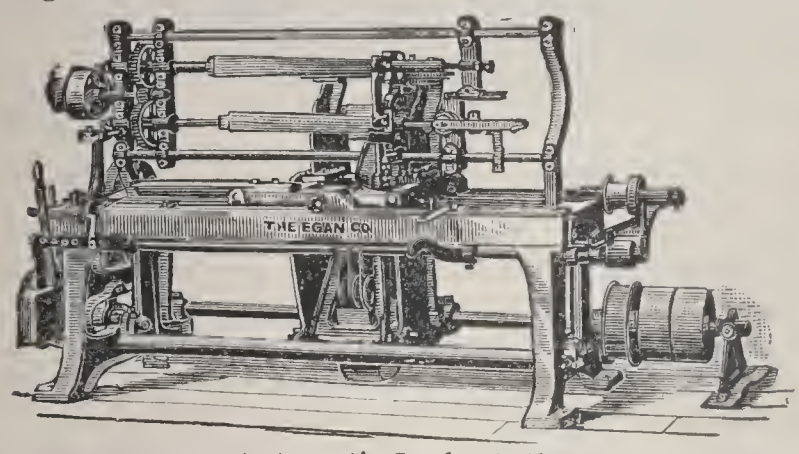


30, 36, 42 and 48-in. Triple Drum Sander.
For polishing all kinds of wood. The most perfect machine for perfect work ever brought out. Our line of Sanders for all kinds of work is the largest in the world.

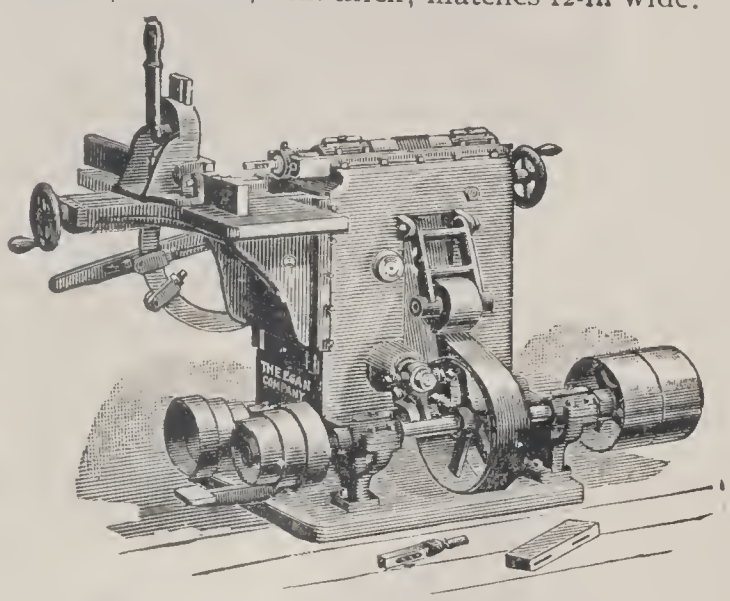
The Best for Small Mills, Carpenter Shops. Will make Flooring, Moldings, Siding, etc.



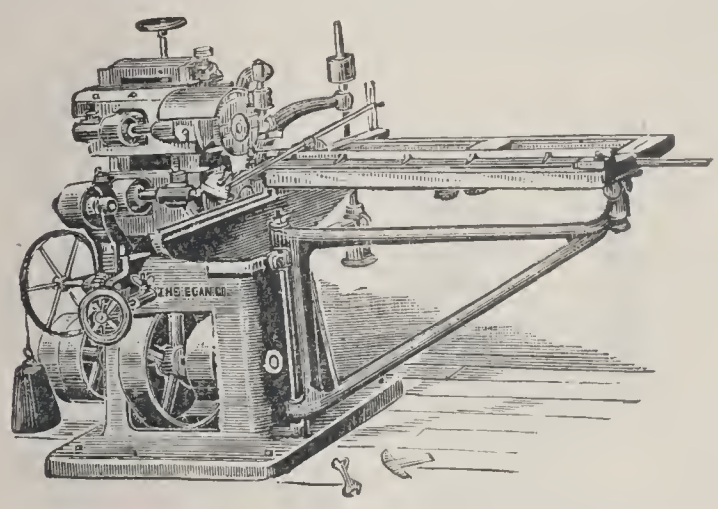
No. 2 Planer and Matcher.
Planes 24-in. wide, 6-in. thick; matches 12-in wide.



Automatic Spoke Lathe.
For Wagon and Buggy Spokes. Capacity 2,200 spokes per day—nearly double of any other. Preferred by the spoke makers of the United States.



New Square Chisel Mortiser and Borer.
Has special device for shortening the stroke.



No. 3 Sash and Door Tenoning Machine.
With Double Heads and Copes. Has special conveniences and advantages that make it the leading machine.

THE EGAN COMPANY,

189-209 W. Front St , Cincinnati, O., U.S.A.

Builders of the Newest Mechanisms in

Wood-Working Machinery.

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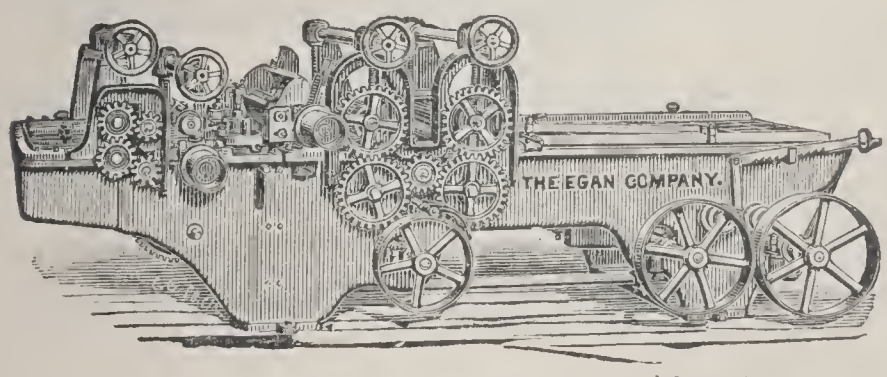
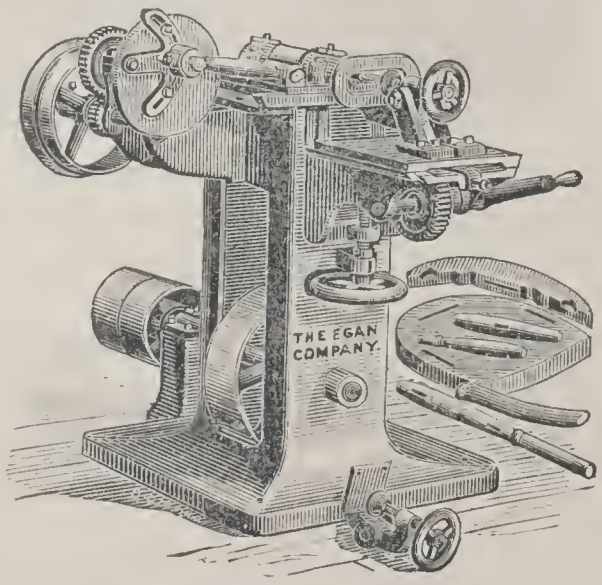
The Seeger & Guernsey Co., New York.



No. 7 Extra Heavy Double Planer and Matcher.
Planes 24-in. wide, both sides, and matches 14-in. wide. With Drop Matcher Attachment. For fast and perfect work the above has no superior.



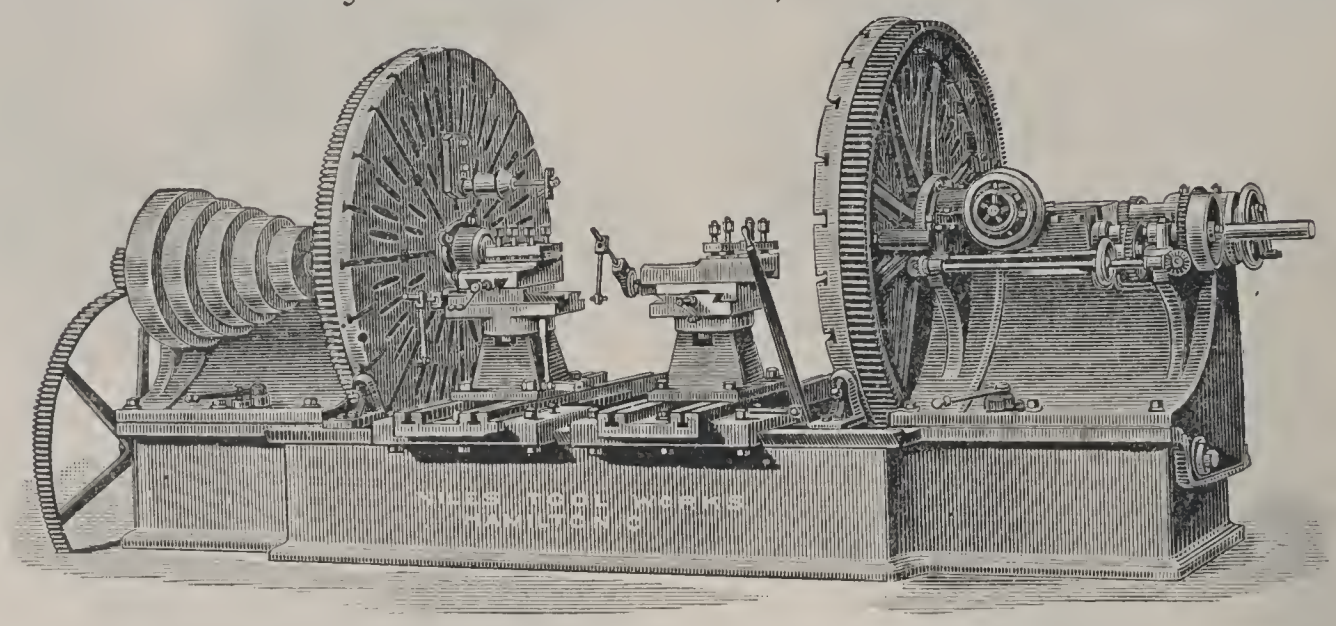
Chair Mortiser and Boring Machine.
The newest idea in this line.

NILES TOOL WORKS, HAMILTON, OHIO, U. S. A.

ALEXANDER GORDON, *President.* ROBT. C. MCKINNEY, *Sec. & Treas.*

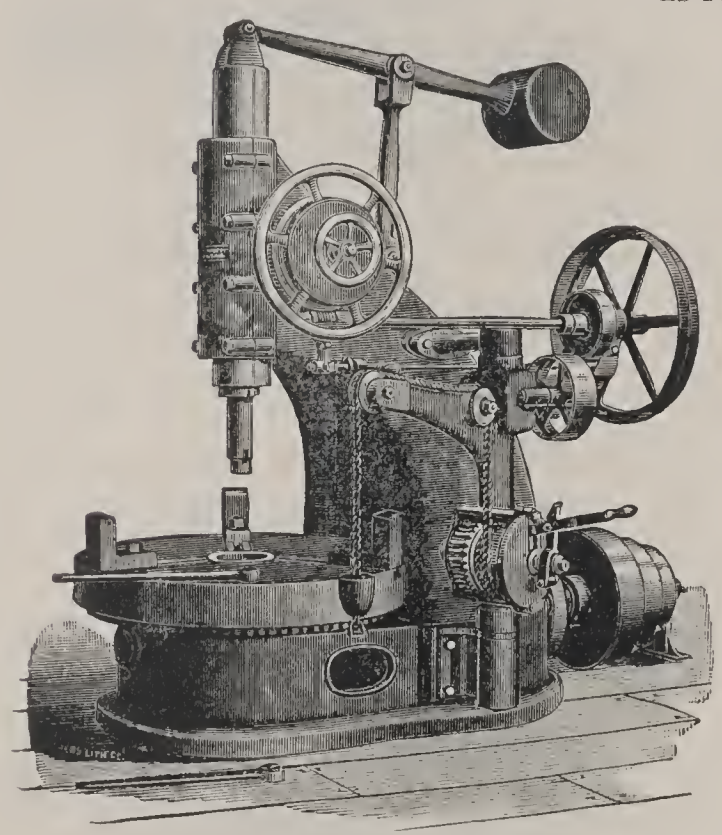
MACHINE TOOLS.

Special Machinery for Locomotive, Car and Railroad Shops.



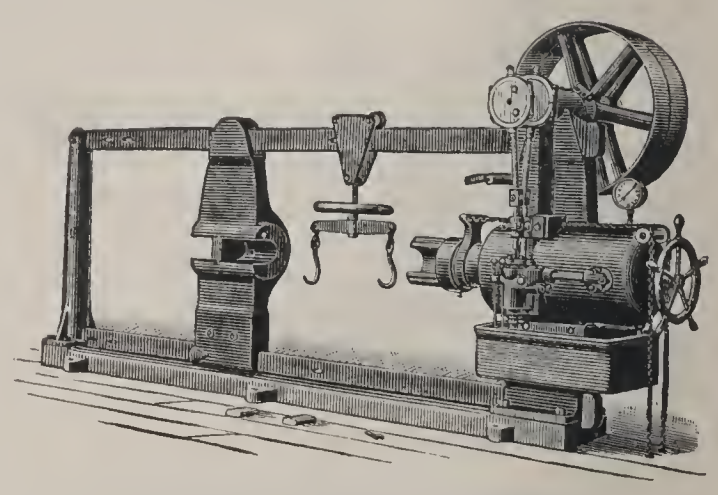
Driving Wheel Lathe—60, 66, 69, 79, 84 and 90-inch swing.

Furnished with Single or Double Quartering attachment, or without Quartering Attachment as required.



Car Wheel Boring Machine.

For boring wheels up to 42 inches diameter on the tread.



Hydrostatic Wheel Press.

For pressing on and off Locomotive Drivers and Car Wheels.

From 100 to 300 tons capacity,

BRANCH HOUSES.

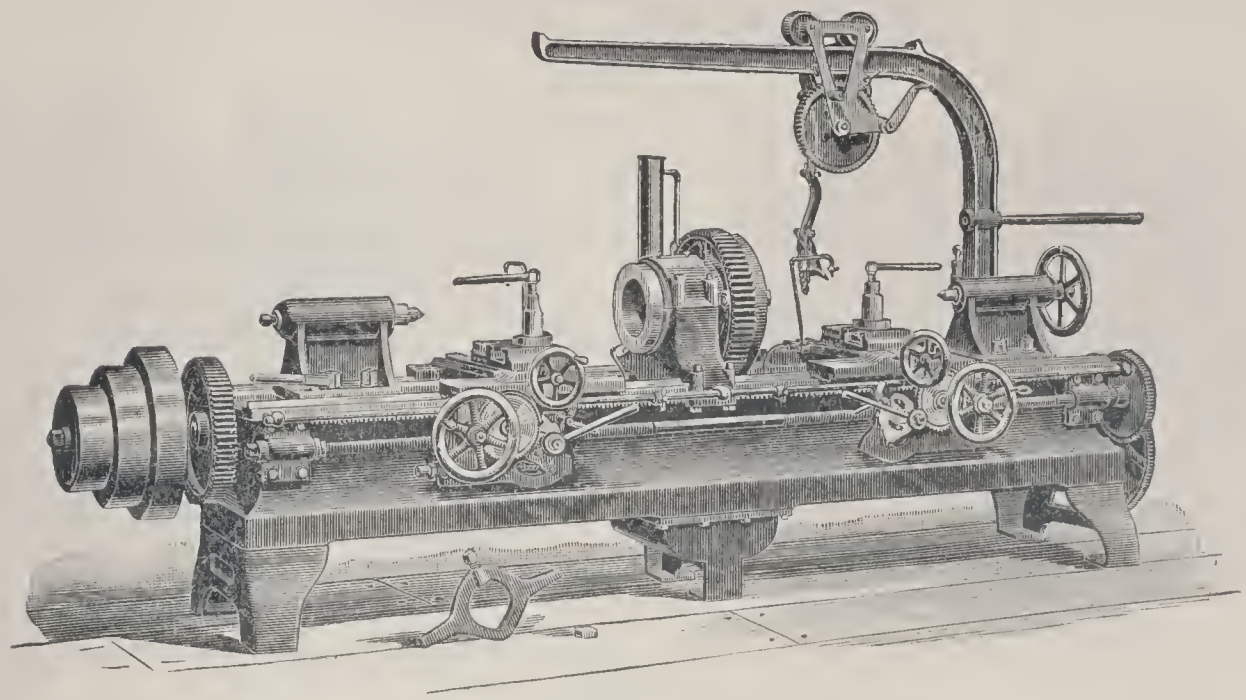
New York:	Philadelphia:	Chicago:	Pittsburgh:
136–138 LIBERTY St.	705 ARCH ST.	PHENIX BUILDING.	LEWIS BLOCK.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

NILES TOOL WORKS, HAMILTON, OHIO, U. S. A.

MACHINE TOOLS.



Double Axle Lathe.

Single Axle Lathes. **Double Axle Lathes.**

Quartering Machines.
For Quartering Locomotive Driving Wheels and Boring the Crank-Pin Holes.

Double Cutting Off and Centering Machines.
For Locomotive and Car Axles.

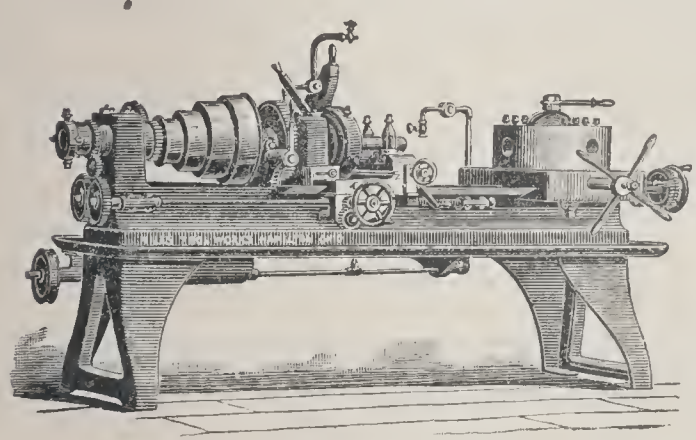
Car Wheel Lathes.
For Turning two Car Wheels on their Axle at the same time.

Multiple Spindle Wheel Drills.
For Drilling Steel-tired Car Wheels.

Arch-bar Drilling Machines.
With six or eight Spindles—For Drilling all Holes in Car-truck Frames at one operation.

Rail Drilling Machines.
Two or three Spindles—For Drilling Steel Rails for the Fish-plate Bolts.

NILES SCREW MACHINES.



No. 3 Screw Machine.

A special lathe, provided with hollow spindle, double tools, six tools in a turret, and special chasing device. Intended for the economic and accurate production of all manner of screws and studs, and similar small pieces about locomotive and general machine construction. It is impossible to briefly catalogue the extraordinary merits of this machine. We have a special catalogue fully describing these machines and mode of operation, and illustrating samples of their work. The machine is equal to three or four small lathes as generally employed on bolt and stud work, and the work done by it is of especial uniformity and excellence.

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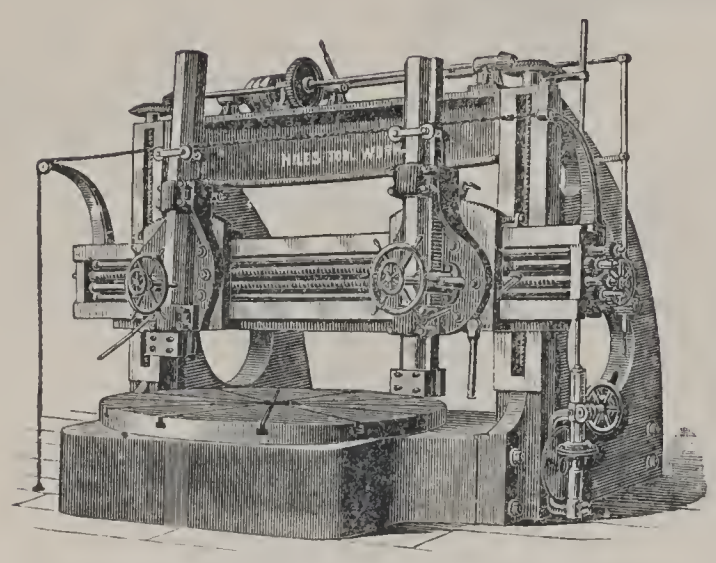
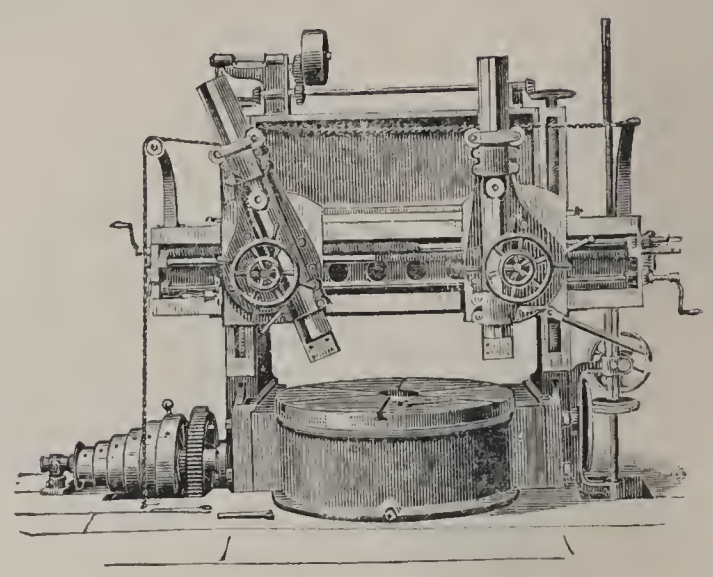
NILES TOOL WORKS, HAMILTON, OHIO, U. S. A.

MACHINE TOOLS.



12-foot Boring and Turning Mill.



6-foot Boring and Turning Mill.

Boring and Turning Mills a Specialty.

The standard machines of the world. Of extraordinary weight, power and efficiency.

Table runs on heavy spindle resting below on a steel step and rigidly supported by a truncated cone extending down from bed.

Housings are double-webbed. Cross-rail is of great weight and of box form; it raises and lowers by power.

Boring bars counter-balanced at all angles.

Feeds automatic at all angles, and tool-bars and heads have quick hand motions. Feeds adjustable to any degree from the slowest to the fastest.

Furnished with one or two boring bars.

Special pulley turning attachments, slotting attachments and chasing attachments furnished to order.

Special sizes of these machines are arranged with the housings to set back for extra large work.

REGULAR SIZES AS FOLLOWS.

Swing	Height under rail	Diameter of table	Travel of bars
5 feet	2 feet 10 inches	4 feet 6 inches	20 inches
6 "	3 " 6 "	4 " 7 "	32 "
7 "	4 " 6 "	5 " 6 "	32 "
8 "	4 " 6 "	5 " 6 "	32 "
10 "	5 "	6 " 8 "	32 "
12 "	5 " 6 "	8 " 2 "	48 "
14 "	5 " 6 "	10 "	48 "
14 "	8 "	10 "	48 "
16 "	10 "	10 "	48 "
10-16 "	5 "	6 " 8 " (set-back housings)	32 "
10-16 "	7 "	6 " 8 " " "	48 "
14-20 "	5 "	10 " " "	48 "
14-20 "	8 "	10 " " "	48 "
16-24 "	8 "	10 " " "	60 "

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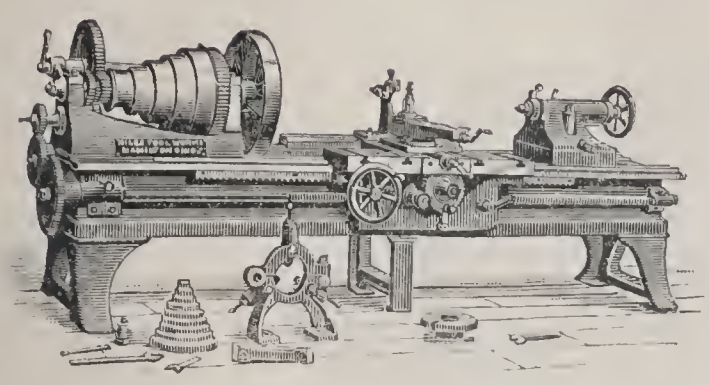
NILES TOOL WORKS, HAMILTON, OHIO, U. S. A.

MACHINE TOOLS.



26-inch Engine Lathe.

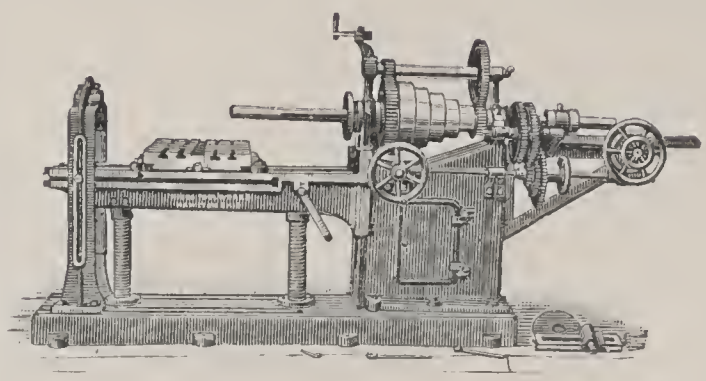
ENGINE LATHES.

OF extraordinary power, capacity and convenience. All feeds automatic and independent of the threads of lead-screw which are preserved for screw-cutting. All but the smallest sizes have compound rests, and the larger sizes have automatic feeds in the compound rest for angular work. All but the smallest sizes have quick changing pin for quick change of feed. The spindles are heavy and the cones arranged for powerful driving. The larger sizes are triple geared. The hand motion of the carriage is arranged for special ease and accuracy. Carriages are extra strong with extra long bearings. Tail stocks of the largest sizes are arranged for easy traverse by hand. Tool holding devices are of the most convenient and substantial character. We build these lathes of the following sizes.

Swing	Swing over carriage	Shortest bed	Between centers
18 inches	12 inches	6 feet	2 feet
22 "	15 "	8 "	3 " 6 inches
26 "	18 "	10 "	4 " 4 "
30 "	21¾ "	10 "	4 "
36 "	27 "	12 " 6 inches	6 "
42 "	32 "	12 " 8 "	6 "
48 "	37 "	14 "	6 "
54 "	41½ "	16 "	8 " 3 inches
60 "	48½ "	16 "	8 " 3 "
72 "	54 "	16 "	6 "

FORGE LATHES.

For turning forged shafts and similar work. Made in two sizes, 50-inch and 60-inch swing. Lathes are extremely powerful, especially designed for heavy and severe service.



No. 2 Horizontal Boring and Drilling Machine.

HORIZONTAL BORING AND DRILLING MACHINES.

FOR general horizontal boring and drilling. The work is secured to a vertically adjustable compound table, and is operated upon by a horizontal boring bar or drill, there being an outer bearing for the boring bar. The adjustments are very convenient, and the tools are of great power and range. The tables have transverse adjustment. In the largest size the table is raised and lowered by power. There is no known substitute for these machines for accuracy and economy of product.

SIZES AS FOLLOWS:

No. 1	bores to centre of	48-inch	circle	
" 2	"	" 60	"	"
" 3	"	" 66	"	"
" 4	"	" 72	"	"

HORIZONTAL BORING, DRILLING AND MILLING MACHINE.

A REMARKABLE universal machine for heavy work. Drills and bores horizontally and does heavy face milling. A tool of special value to engine builders It is impossible to explain the machine briefly. It does the work of the planer, horizontal drilling machine, and horizontal boring machine, with special economy and accuracy. Will mill a flat surface six feet high by nine or more feet long, and will drill or bore anywhere within this area.

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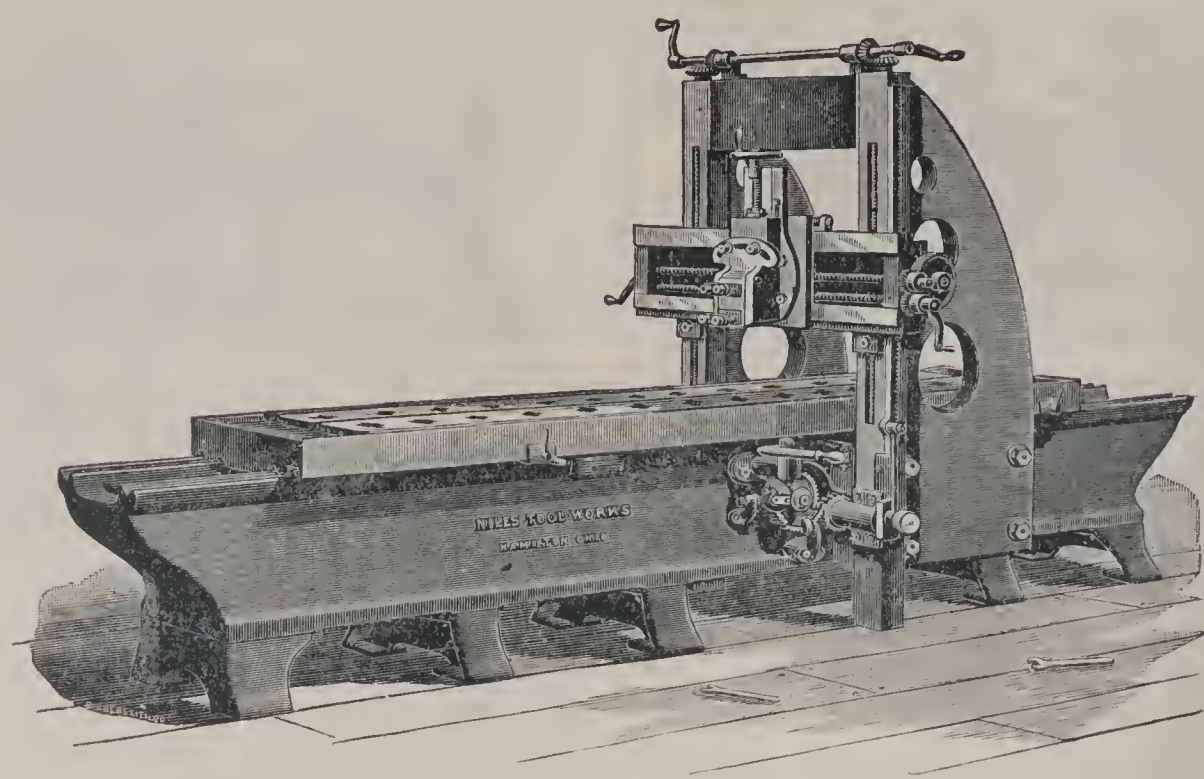
THE SEEGER & GUERNSEY CO., NEW YORK.

MACHINE TOOLS.



32-inch by 32-inch Planer.

PLANING MACHINES.

Tables driven by tangent gearing, giving a smooth and steady motion. Driving action noiseless and of extra power.

Machines set parallel with line-shaft in the shop.

Feeds are horizontal, vertical and angular, all by power.

The patent belt-shifter moves one belt off of driving pulley before moving the other on, thereby avoiding shrieking and jarring.

Bed is cross braced throughout by box-girders, and between the housings it takes the form of one rigid box.

Top brace, cross-rail and housings all take this box form of construction.

The larger sizes may have two tool-heads on the cross-rail, and one on each housing as desired.

SIZES AS FOLLOWS:

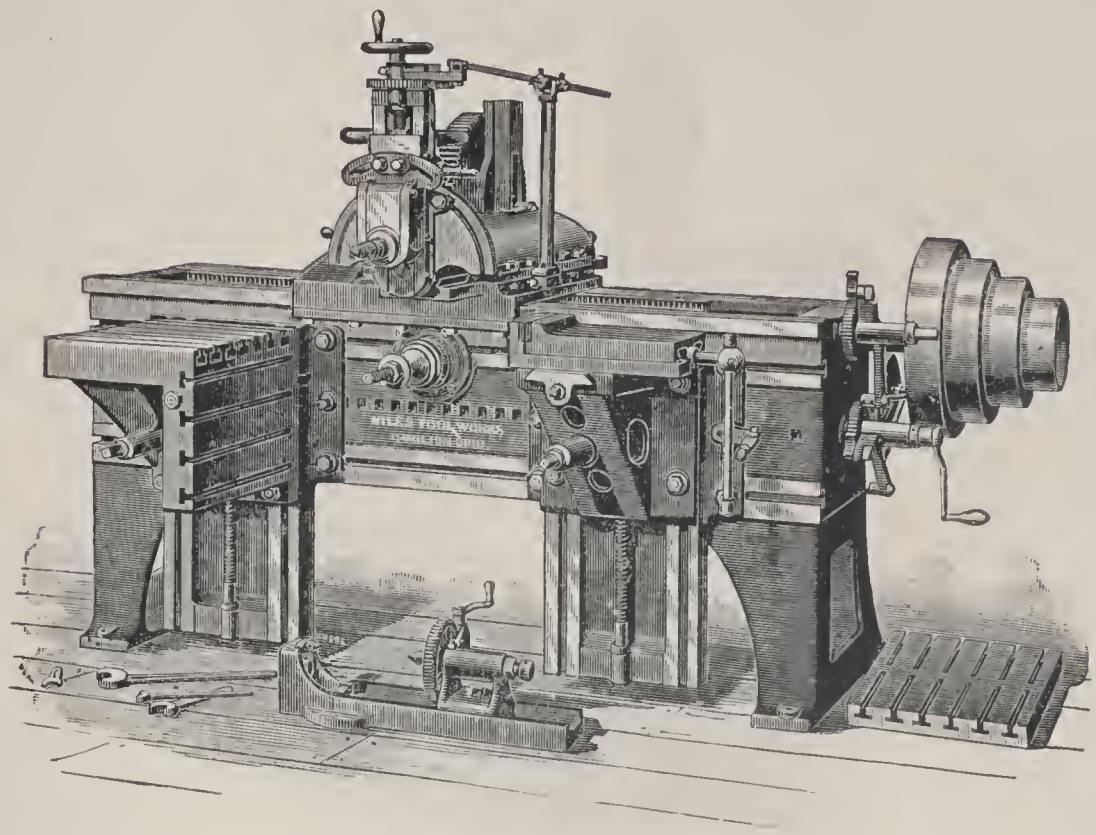
To plane	26	inches	wide,	26	inches	high,	and	6	feet	or more long.
"	32	"	"	32	"	"	"	8	"	"
"	38	"	"	38	"	"	"	8	"	"
"	44	"	"	44	"	"	"	10	"	"
"	48	"	"	48	"	"	"	10	"	"
"	54	"	"	54	"	"	"	12	"	"
"	60	"	"	60	"	"	"	12	"	"
"	72	"	"	72	"	"	"	16	"	"
"	84	"	"	84	"	"	"	16	"	"
"	96	"	"	96	"	"	"	16	"	"
"	120	"	"	120	"	"	"	20	"	"
"	144	"	"	144	"	"	"	20	"	"

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

NILES TOOL WORKS, HAMILTON, OHIO, U. S. A.

MACHINE TOOLS.



18-inch Shaping Machine.

SHAPING MACHINES.

HAS traveling head and two adjustable tables, each table independent. Has quick-return motion. The head has quick-traversing motion on the bed, by hand in the smaller sizes, by power in the largest size. Is supplied with swivel vise, index centers, and self-feeding cone-mandrel for circular work. These machines are adapted for heavy, rapid and accurate work, being the most powerful shapers constructed. The entire front of the 24-inch machine is slotted for facility in securing extra heavy work. The feeds are vertical, horizontal, angular and circular. Each of the two larger sizes has eight cutting speeds.

SIZES AS FOLLOWS:

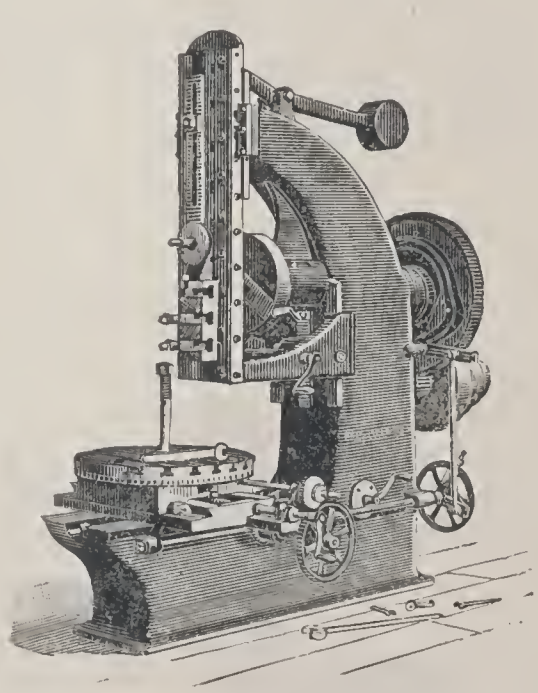
16	inches	stroke,	48	inches	feed	travel.
18	"	"	60	"	"	"
24	"	"	70	"	"	"

SLOTTING MACHINES.

HAVE quick return motion. Cutter-bar is counter-balanced. The bearing for the bar has vertical adjustment to bring it close to the work, giving great rigidity. The small machines have Whitworth motion; and the large machines are driven by rack and pinion motion. The feeds are longitudinal, transverse and circular.

SIZES AS FOLLOWS:

Stroke	Admits diameter	Longitudinal feed	Cross feed
6½ inches	39 inches	17 inches	17 inches
10 "	48 "	24 "	18 "
14 "	60 "	32 "	22 "
18 "	78 "	42 "	30 "
24 "	80 "	40 "	36 "
54 "	10 feet	60 "	50 "

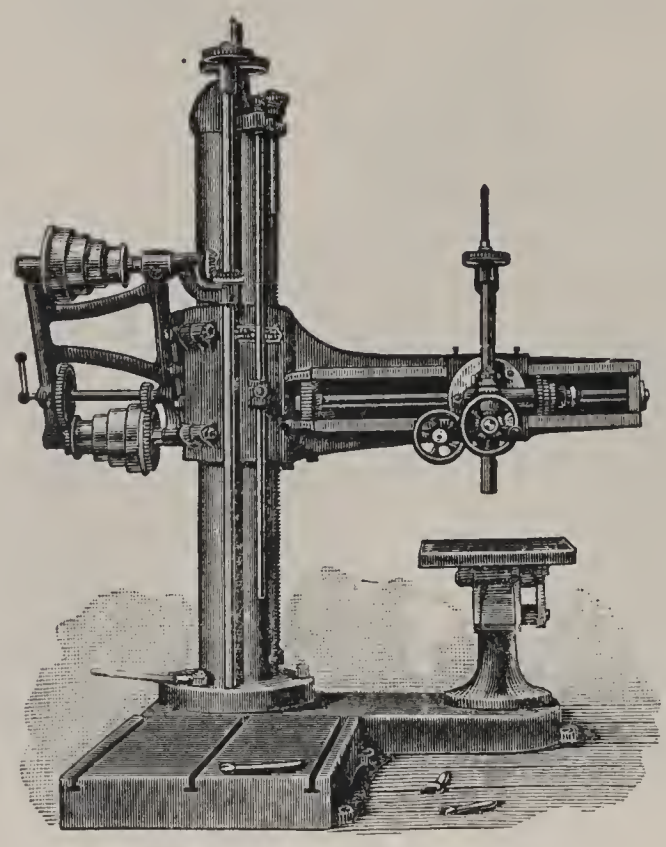


14-inch Slotting Machine.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

MACHINE TOOLS.



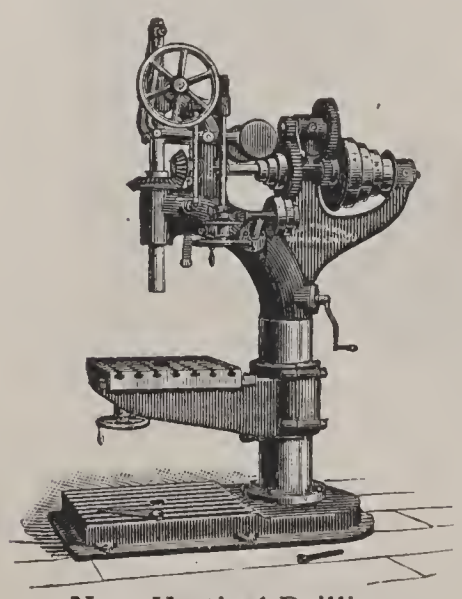
No. 1 Universal Radial Drilling Machine.

UNIVERSAL RADIAL DRILLING MACHINES.

THE drive is through the top of the column and the arm can swing entirely around the column. The arm raises and lowers upon the column by power. The cone-belt is upon the arm in the most accessible position. The arm is of box form, the best for strength. The spindle of Nos. 1 and 2 adjusts at angles upon the arm and is balanced upon its centre of rotation, and the spindle may thus be set horizontally and the arm lowered to near the floor, when the machine becomes a horizontal drill for drilling in the ends of very long work. The foot of the column is provided with a special anti-friction device for permitting the arm to be swung with the utmost freedom, and held rigidly in the proper place. All the machines are back-geared, and have power feeds of great range. The two smaller sizes are provided with slotted table adjustable to angles, and the larger size has a portable box table, slotted upon its top and sides and forming a tool cupboard. The No. 3 size has an outer support for the end of the arm, and the spindle works vertically only, and is counterweighted, as is also the arm.

SIZES AS FOLLOWS:

No.	Length of Arm	Drills to centre of	Receives under spindle
1	5 feet	9 feet	5 feet 3 inches
2	6 "	11 " 2 inches	5 " 7 "
3	7 "	11 " 6 "	6 " 5 "



No. 5 Vertical Drilling Machine.

VERTICAL DRILLING MACHINES.

MACHINES of superior design, power and stiffness. Spindles and sliding heads both counterbalanced. Power feeds of superior action and great range. Superior table movements. All back geared, with special conveniences for throwing the gear in and out. Have quick returns. Smaller sizes have belt-shifters to suit belts at any angles.

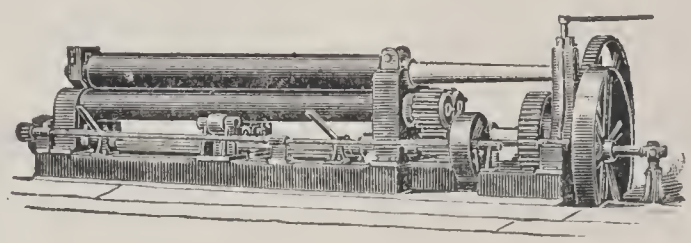
SIZES AS FOLLOWS.

No. 2	drills to centre of	24	inches—54	inches	under	spindle
" 3	"	"	30	" —58	"	"	"
" 5	"	"	50	" —56	"	"	"
" 6	"	"	60	" —58	"	"	"

NILES TOOL WORKS, HAMILTON, OHIO, U. S. A.

MACHINE TOOLS.

SPECIAL MACHINERY FOR BOILER SHOPS, AND OTHER PLATE IRON AND STEEL WORKERS.



No. 5 Power Bending Rolls.

BENDING ROLLS.

FOR bending plate metal. Constructed with three rolls, two geared together to grip the sheet and feed it, while the third roll does the bending. The two ends of the bending roll are adjustable independently or together. Outer end of top roll has swinging bearing which lets down to permit the ready removal of flues and rings. The rolls are driven by tight and loose pulleys and extra strong gearing. Extra long rolls have central support under the pinching roll. In all machines, except the five-foot, the bending roll is raised and lowered by power. In the heavy machines the rolls are of wrought iron or steel. We build these rolls in many sizes, from five feet long for light boiler work, up to twenty feet long for the heaviest work of the ship-yard.

STRAIGHTENING MACHINES.

FOR straightening plate metal. Consists of a successive series of rolls to receive the crooked sheet, which passes through the machine and receives a succession of reverse crimps, and issues from the machine straight and flat. Powerfully geared and very convenient in all adjustments. We build a number of sizes, adapted to different widths and thicknesses of plates.

PLATE PLANING MACHINES.

FOR planing and squaring the edges of plates, and for beveling boiler sheets to give a narrow calking surface. The sheets clamps to a long horizontal table, and a carriage traverses back and forth, carrying tools which cut in each direction of motion, the machine reversing automatically. The table has rollers which permit the sheet to be handled easily, and the clamping device is a single deep bar of great weight and rigidity. The machine will plane the edges of sheets of any length by shifting the sheet, but we make the machine of various lengths adapted for long planing without resetting the sheet.

Our ship-plate machine carries a tool for lap-surfacing or scarfing, and the plate bolts to the table. This machine is for planing the heaviest ship-plates,

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE GORDON STEAM PUMP CO., HAMILTON, OHIO, U.S.A.

ALEXANDER GORDON, President. ROBT. C. MCKINNEY, Sec'y & Treas.

PHILADELPHIA, 705 Arch St. NEW YORK, 136 & 138 Liberty St. PITTSBURGH, 410 Lewis Block. CHICAGO Phenix Building.

ST. LOUIS, 703 Market St. CLEVELAND, 146 Water Street.

BUILDERS OF

PUMPING MACHINERY

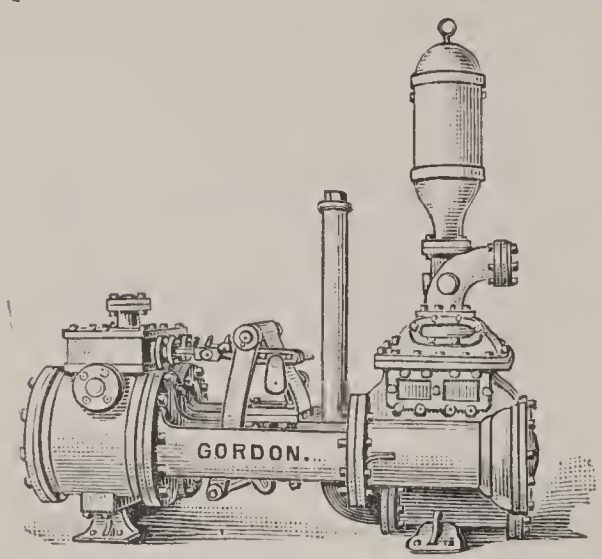
FOR ANY SERVICE.

Water Works and Sewerage Pumping Engines.

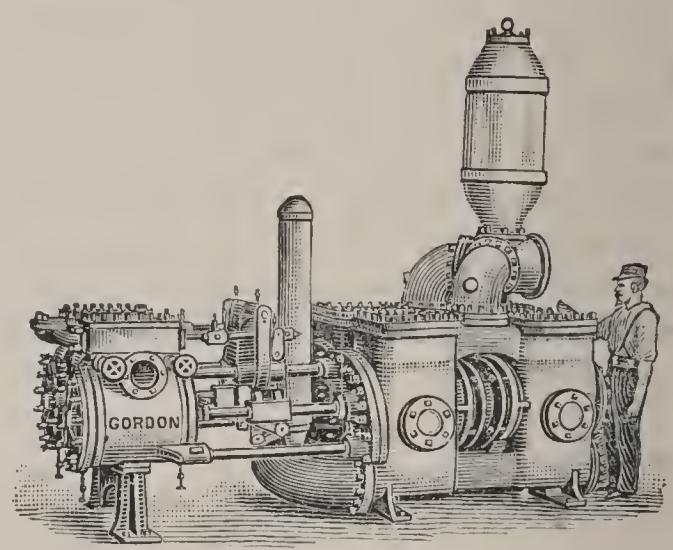
We have complete sets of patterns for Pumping Engines, from one million gallons to ten million gallons capacity per day, for Water Works and Sewerage service in cities, towns, and villages, mills, factories, etc.

Estimates, photographs, and full description furnished on application.

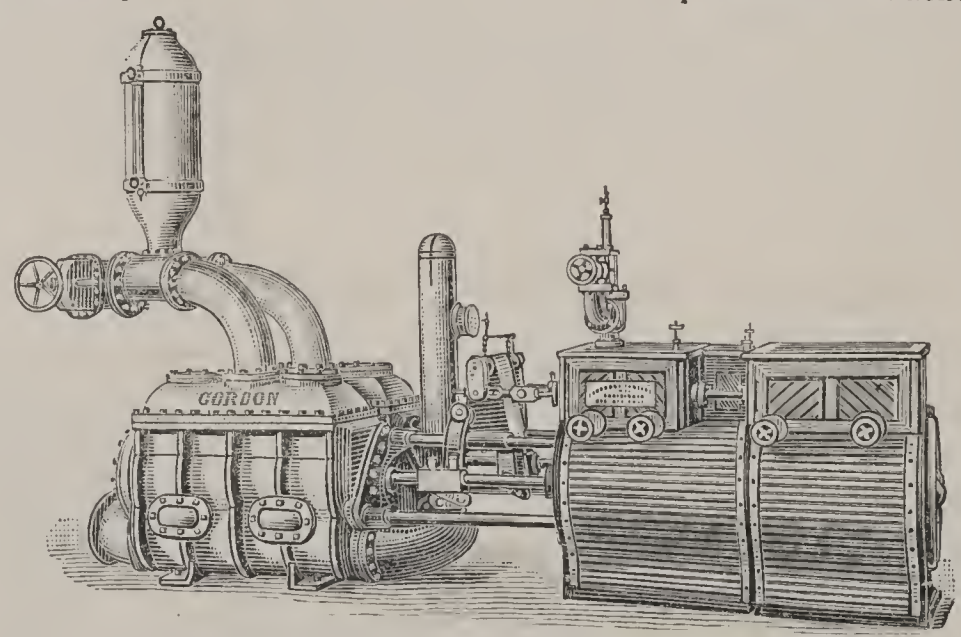
We make both Vertical and Horizontal Pumping Engines, either high pressure, compound, or compound condensing, with piston pumps, inside plunger pumps, or centre packed outside plunger pumps.



Duplex Fire Pump.



Duplex Outside Packed Plunger Pump.



Compound Duplex Water Works Pumping Engine.

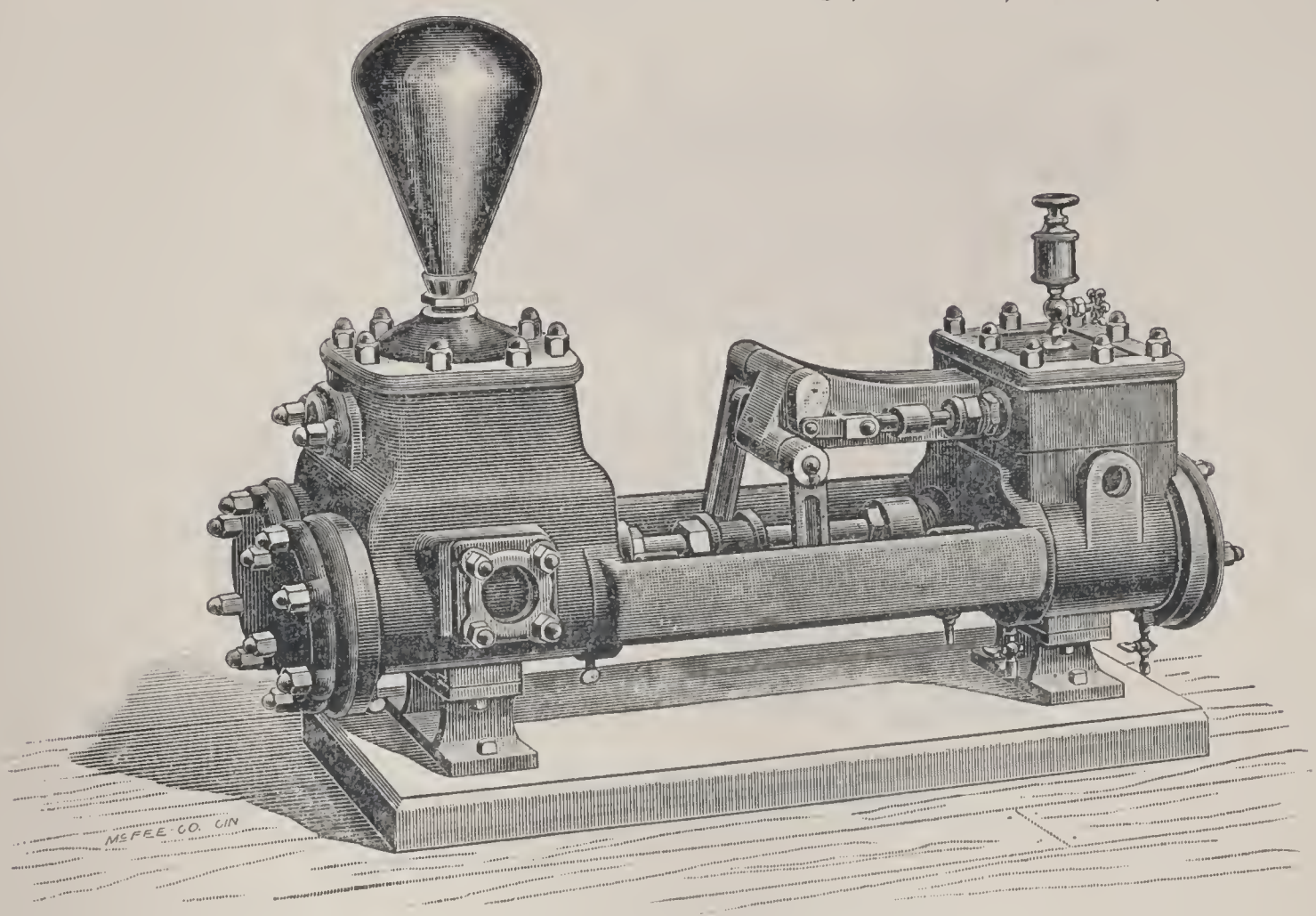
SIZES AND PRICES UPON APPLICATION.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE GORDON STEAM PUMP CO., HAMILTON, OHIO, U. S. A.

Branch Offices,
New York, Philadelphia, Pittsburgh, Chicago, St. Louis, Cleveland,



Improved Duplex Piston Boiler Feed Pump.

This pattern is especially designed as Boiler Feed Pumps, for either hot or cold water.

These pumps have removable and interchangeable brass pump barrels, copper air vessels, steel piston rods, adjustable steam valves, brass valve seats, brass or vulcanized rubber valves, and fewer parts, consequently, less liable to get out of order than any duplex boiler feed pump made.

Pumps of this same design with differently proportioned steam and water cylinders for use in handling water in Tanneries, Paper Mills, Breweries, Distilleries, Refineries, Colleges, Asylums and other places where it is necessary to use small steam pumps are also manufactured by us.

SIZES, PRICES AND CAPACITIES.

Diameter of am Cylinders	Diameter of Water Cylinders	Length of Stroke	PRICE	Displacement in Galls. per Stroke of One Piston	Proper Strokes per Minute of One Piston varying with kind of work and pressure.	Gallons delivered per minute by Both Pistons at stated number of Strokes	Sizes of Pipes of short lengths — To be increased as length increases				Horse Power Boilers they will supply at minimum speed	Diam. of Plunger required in any Single Cylinder Double Acting Pump to do same work at same speed
							Ste'm Pipe	Exh. Pipe	Suc'n Pipe	Disch Pipe		
*4	2½	4	$100	.08	75 to 150	12 to 24	½	¾	1½	1	70	3½
*4½	3	4	125	.12	75 to 150	20 to 35	½	¾	2	1½	100	4¼
*5	3	6	170	.18	75 to 150	30 to 60	¾	1	2	1½	140	4¼
5	4	6	185	.32	75 to 150	50 to 100	¾	1	2½	2	...	5⅝
*5¼	3½	6	190	.25	75 to 150	40 to 80	¾	1	2½	1½	200	5
*6	4	6	220	.32	75 to 150	50 to 100	1	1½	2½	2	250	5⅝
6	5	6	265	.51	75 to 150	80 to 160	1	1½	4	3	....	7
6	6	6	305	.73	75 to 150	110 to 220	1	1½	4	3	....	8½
*7	4½	6	290	.41	75 to 150	60 to 120	1½	2	4	3	325	6⅜

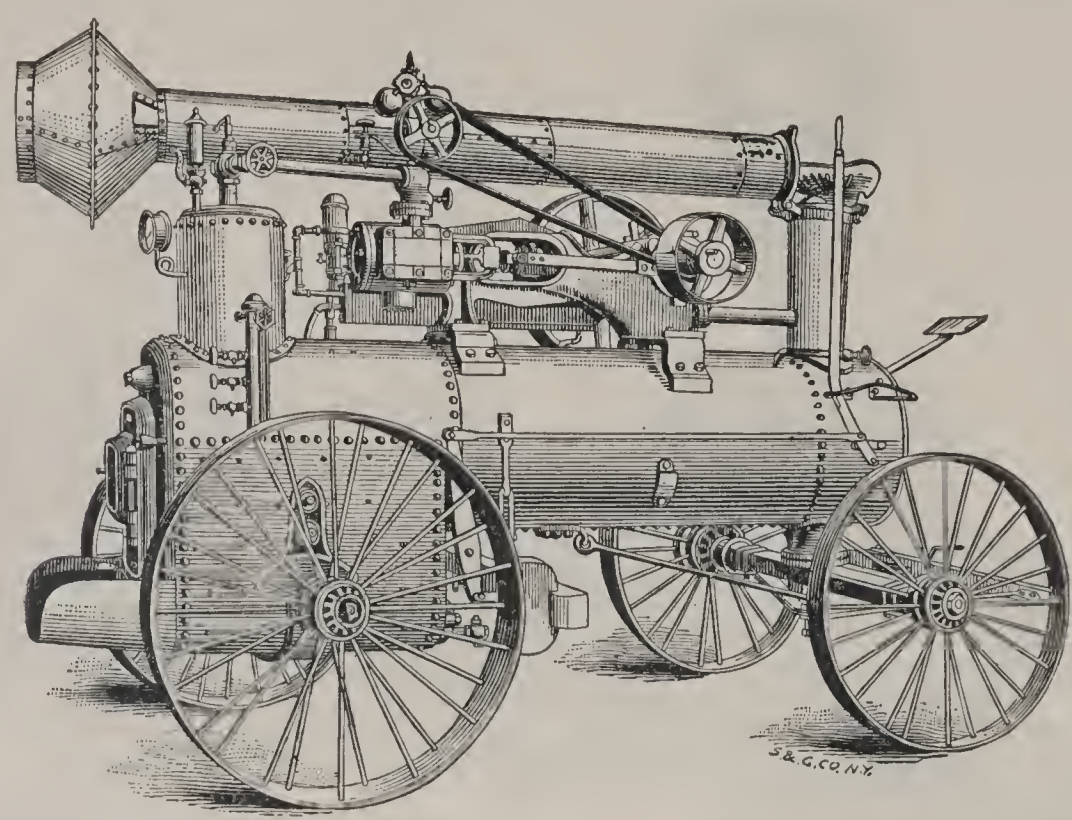
An additional charge is made when pumps are fitted with composition Pistons and Rods. Prices on intermediate and larger sizes for any special service furnished on application.

Sizes marked thus * are adapted for Boiler Feeding purposes.

In making inquiries regarding this class of pumps, always state whether hot or cold water will be pumped, size and kind of boiler you have and the steam pressure carried, the suction lift the pump will have and if not used as a boiler feed pump, state the vertical head in feet against which the pump will be required to force water.

If the steam pipes are in, or the suction or discharge pipes placed, give sizes and lengths.

By giving the manufacturer full information regarding the service required of a pump it will often save future complications.



"LIVELY" AGRICULTURAL ENGINE.

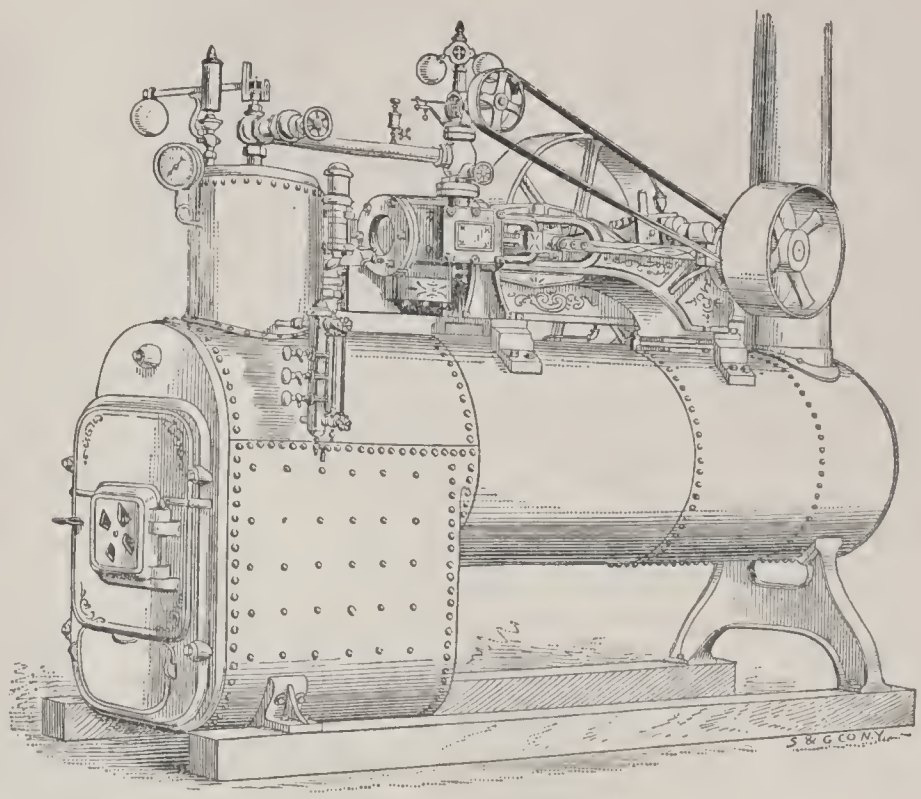
SPECIFICATIONS.

Number of Size.	Rated Horse Power.	Engine.						Boiler.								Weight complete, pounds.
		Revolutions.	Cylinder.		Band Wheels.			Shell Diameter, inches.	Furnace.			Tubes.			Smoke Stack.	
			Diameter, inches.	Stroke, inches.	Diameter, inches.	Diameter, inches.	Width Face, inches.		Length, inches.	Width, inches.	Height, inches.	Number.	Diameter, inches.	Length, inches.	Diameter, inches.	
1	6	300	5	6	24	12	6	24	34	18	26	22	2¼	61	10½	4,900
2	8	256	6	7	28	14	8	27	36	22	32	20	3	75	12	5,800
3	10	220	7	8	36	18	8	29	36	24	34	22	3	76	12	6,240
5	15	200	8	9	40	20	8	32	38	26	37	27	3	80	14	8,230

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE SEEGER & GUERNSEY CO., NEW YORK.



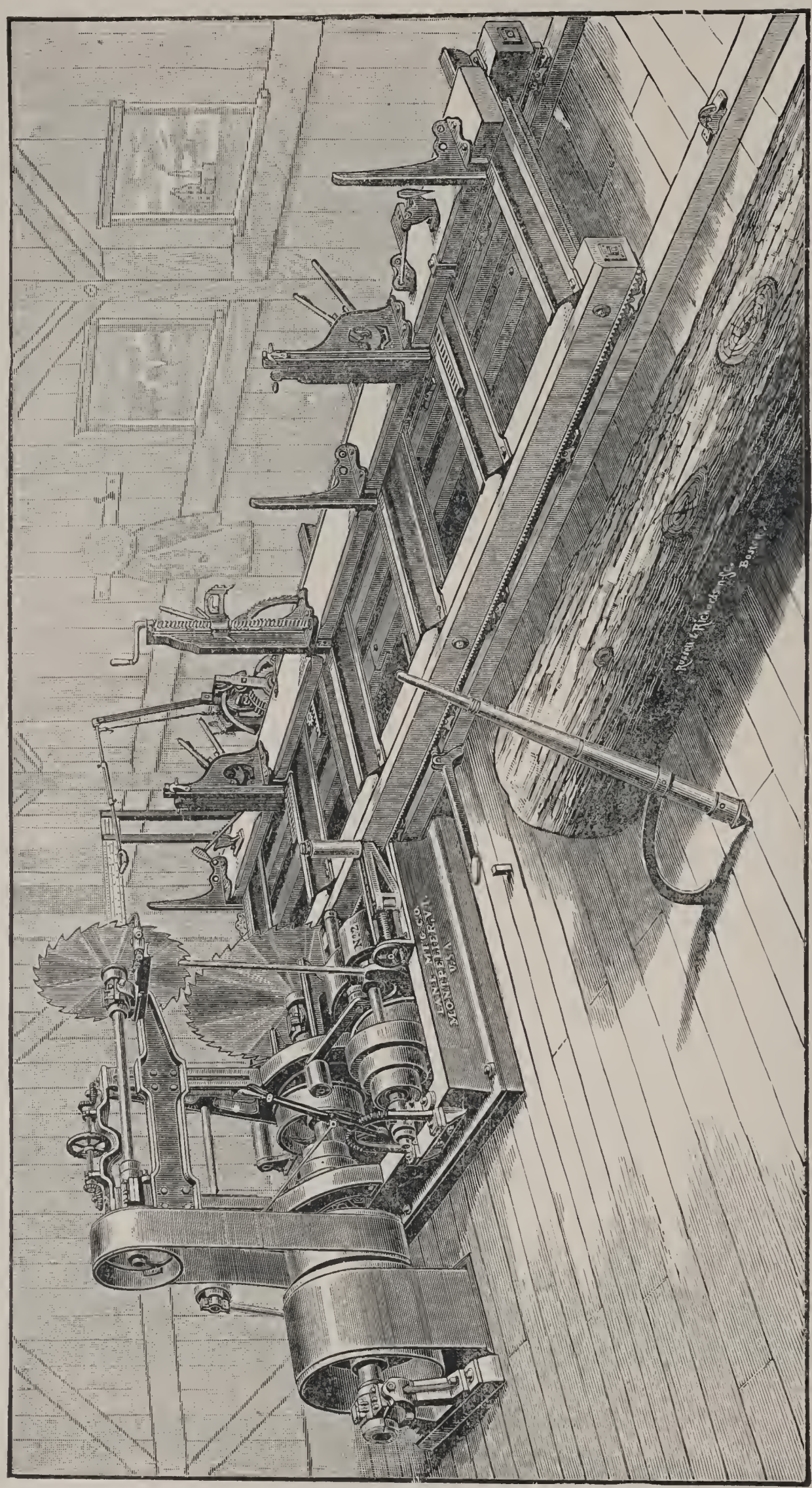
"LIVELY" PORTABLE ENGINE.

SPECIFICATIONS.

Number of Size.	Rated Horse Power.	Engine.						Boiler.										Weight, Complete, pounds.
			Cylinder.		Band Wheels.				Furnace.			Tubes.			Smoke Stack.			
		Revolutions.	Diameter, inches.	Stroke, inches.	Diameter, inches.	Diameter, inches.	Width Face, inches.	Shell Diameter, inches.	Length, inches.	Width, inches.	Height, inches.	Number.	Diameter, inches.	Length, inches.	Diameter, inches.	Length, feet.		
1	6	300	5	6	24	12	6	24	34	18	26	22	2¼	61	10½	19		3,550
2	8	256	6	7	28	14	8	27	36	22	32	20	3	75	12	19		4,300
3	10	220	7	8	36	18	8	29	36	24	34	22	3	76	12	19		4,950
5	15	200	8	9	40	20	8	32	38	26	37	27	3	80	14	19		6,230

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.



Lane's Patent Lever Set Circular Saw Mill.

— CAPACITY —

5,000 to 50,000 feet per day.

Simple. Accurate. Durable.

See pages 193, 194 and 195. Write for Circulars.

The Lane Patent Lever Set Circular Saw Mill,

As illustrated on the preceding page, is built in five sizes—from the very light to the very heavy—and, above the No. 0 size, can be either single or double.

The No. 00 has a carriage 16 feet long, 20 feet feed. As large as a 44 inch saw can be used.

The No. 0 has carriages varying from 20 feet to 40 feet. It will take as large as a 54 inch saw, and can cut 10,000 feet per day (1,000 per hour).

The No. 1 (a heavier and more complete mill) has carriages varying from 25 feet to 60 feet. It will take as large as a 56 inch saw, and is capable of cutting 12,000 feet per day.

The No. 2, with the same variations of carriage, will take as large as a 60 inch saw. (The cut on opposite page illustrates this mill, showing the upper part with 34 inch saw—the single mill being the same except the top saw attachment.)

The No. 2½ has carriages varying from 25 feet to 70 feet, is a heavy, fast running mill, capable of cutting 50,000 feet per day. It will take a 66 inch lower saw and 36 inch upper saw.

The No. 3, the same design as the No. 2½, but still heavier, will take a 72 inch lower saw and 40 inch upper saw.

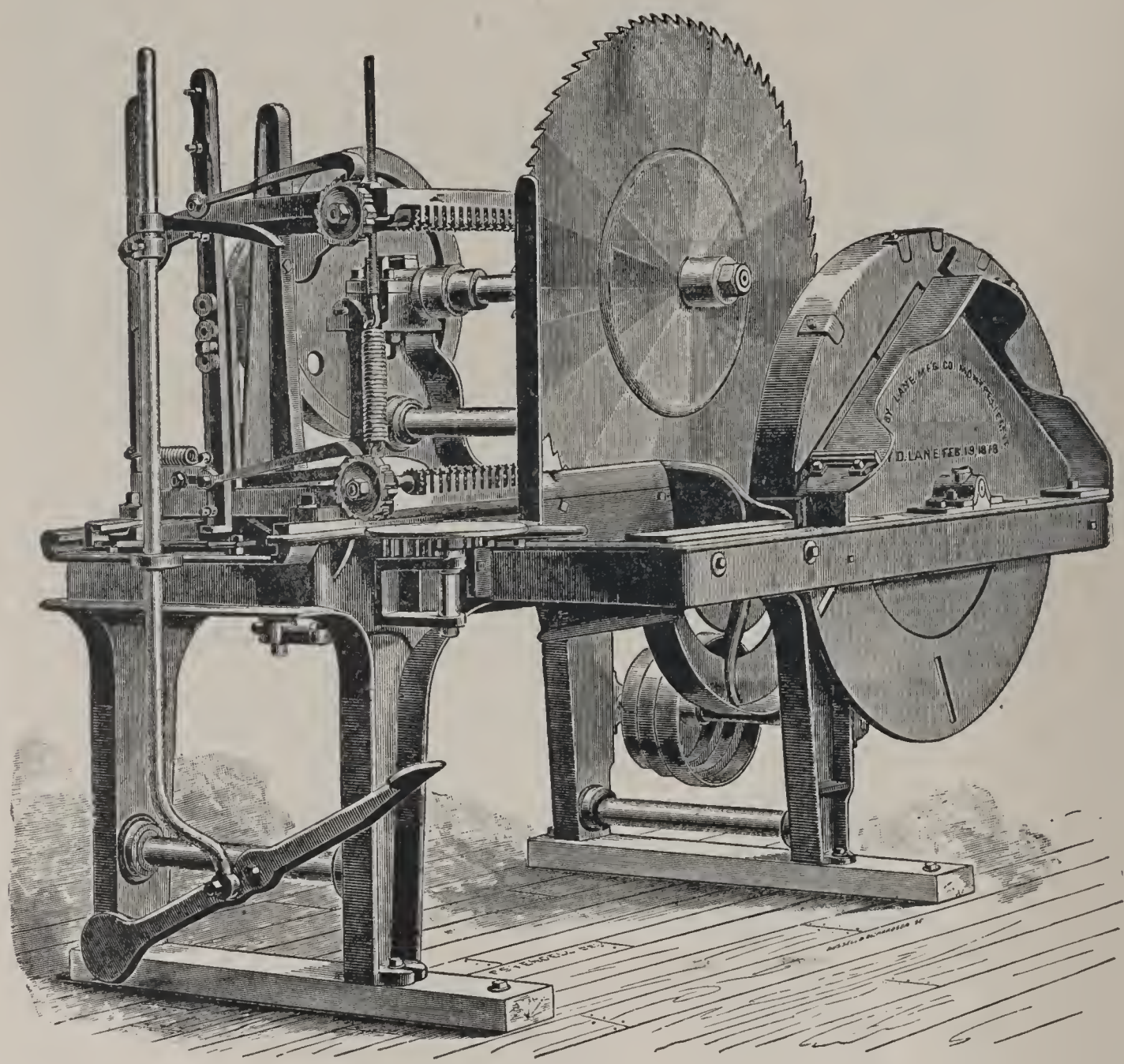
The No. 4 is the same as the No. 3 except as to finish.

Steam feed can be furnished with these mills instead of friction feed, if desired.

In writing give full particulars as to the length and diameter of the logs, capacity per day desired, and kind of timber to be cut.

We guarantee satisfaction in every case.

Write for descriptive circulars, prices and discounts.

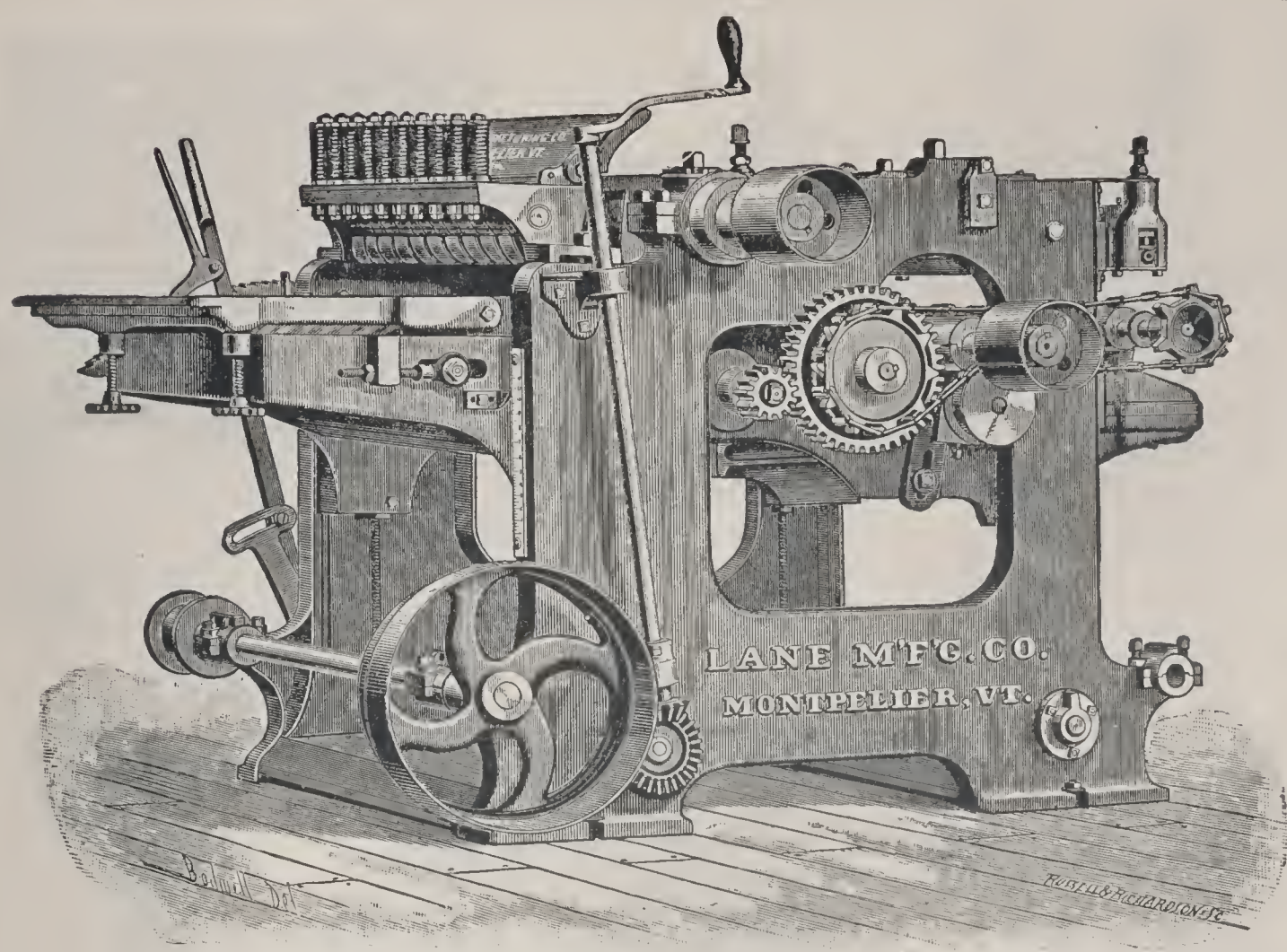


Lane's Patent
Automatic Shingle and Heading Machine.

This Machine is devised for the automatic cutting of shingle and parallel stock, and is especially adapted for the manufacture of orange and fruit boxes or crates.

It is built in three sizes, the first with 36 inch saw, the second, 38 inch saw, the third, 40 inch saw. The latter can be arranged to take a 44 inch saw if desired.

WRITE FOR DESCRIPTIVE CIRCULAR, PRICES AND DISCOUNTS.



Lane's Improved Traveling Bed Double Surfacer,

WITH PATENT SECTIONAL PRESSURE ROLL,

For the planing of several narrow boards of different thicknesses to a common thickness at one time. A countershaft is included with the machine, but not shown in the cut. It is built in two sizes, planing 24 and 30 inches wide.

We also build a full line of Single Surfacers, both traveling and stationary bed.

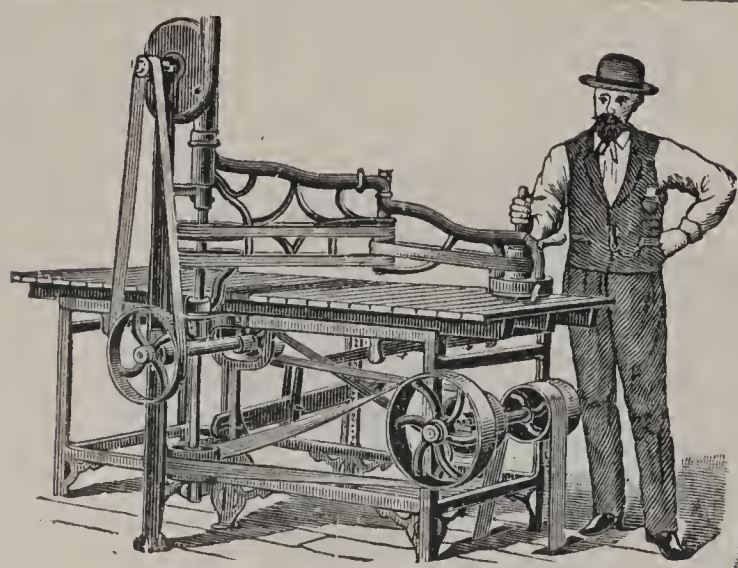
ALL BEARINGS AND BOXES ARE FITTED WITH BEST ANTI-FRICTION METAL. CYLINDERS AND ARBORS ARE OF FORGED STEEL.

ALL MACHINES CAREFULLY INSPECTED AND ADJUSTED BEFORE SHIPMENT.

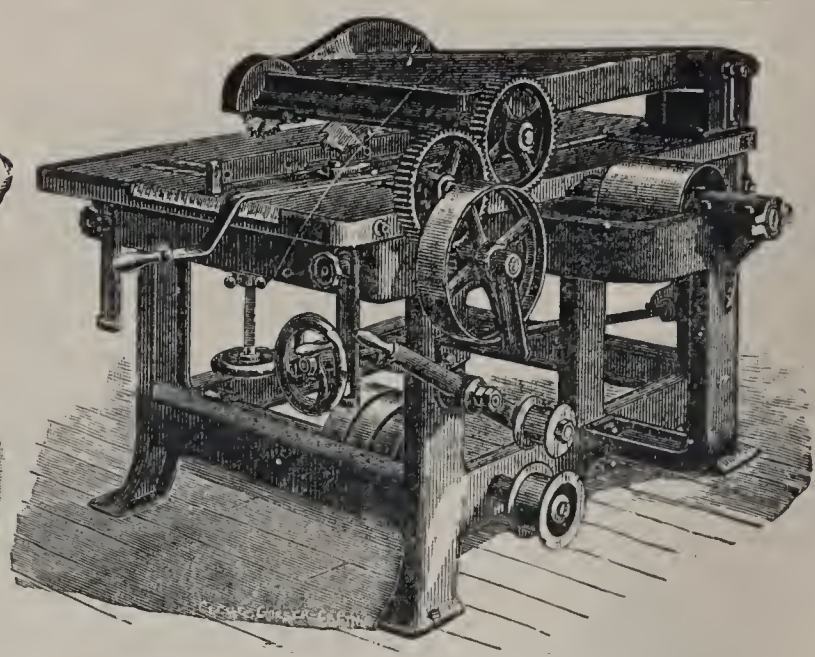
No charge for boxing and crating; machines are delivered on board cars Montpelier.

Write for full descriptive circulars of our machines with prices and discounts.

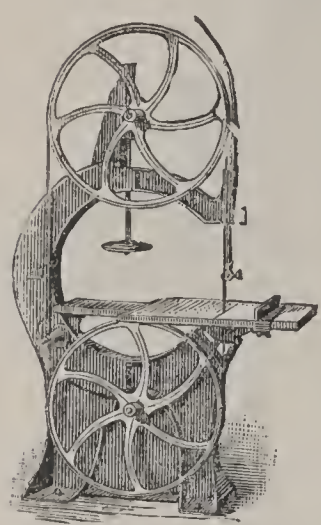
ROWLEY & HERMANCE, WILLIAMSPORT, PENNA.



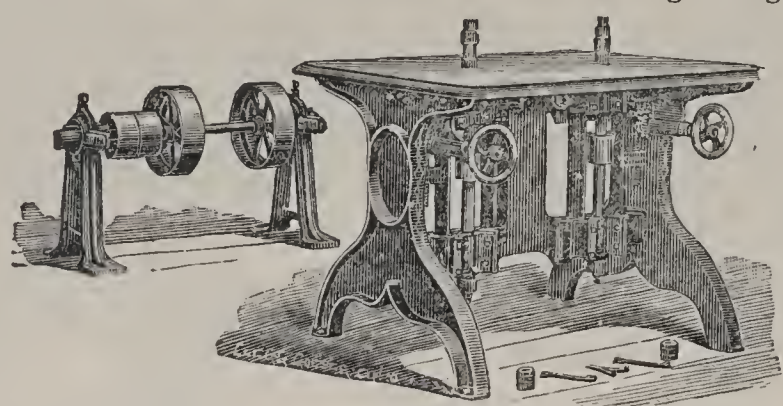
Sand Papering Machine, with Suction Fan.



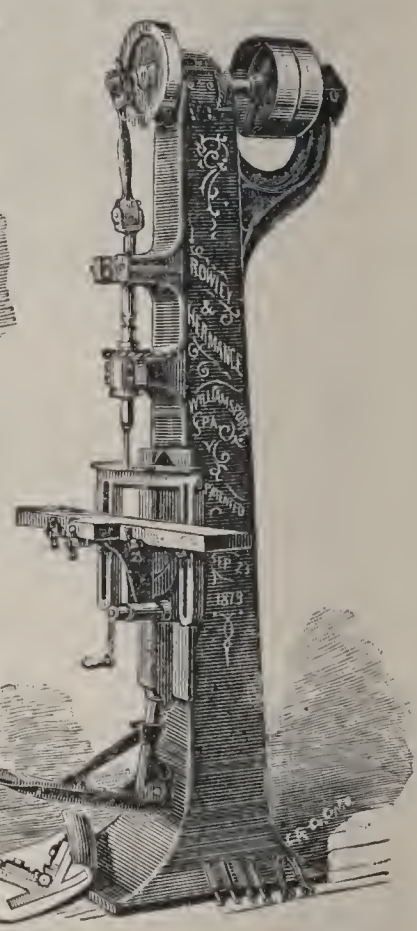
No. 2.—Lightning Self-Feed Rip Saw.



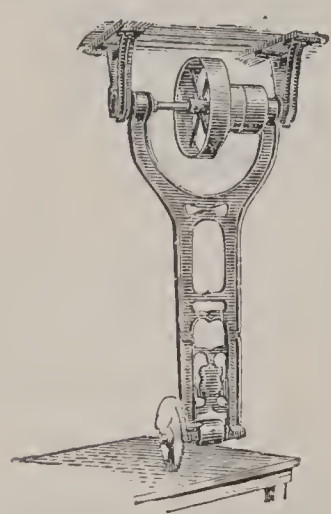
No. 1, Band Saw.



Two-Spindle Edge Moulder and Shaper.



No. 2.—Power Mortiser.



Swing Cut-Off Saw.

ROWLEY & HERMANCE

WILLIAMSPORT, PA.

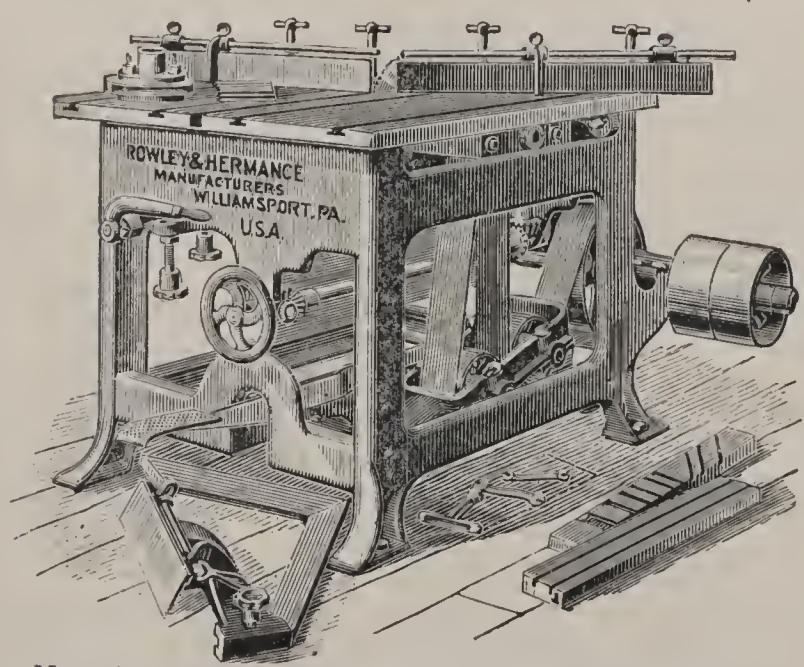
Builders of the Most

ECONOMICAL MACHINERY

FOR

WORKING WOOD.

Send for Catalogue and Prices.



New Pattern mproved Combination Saw Bench.

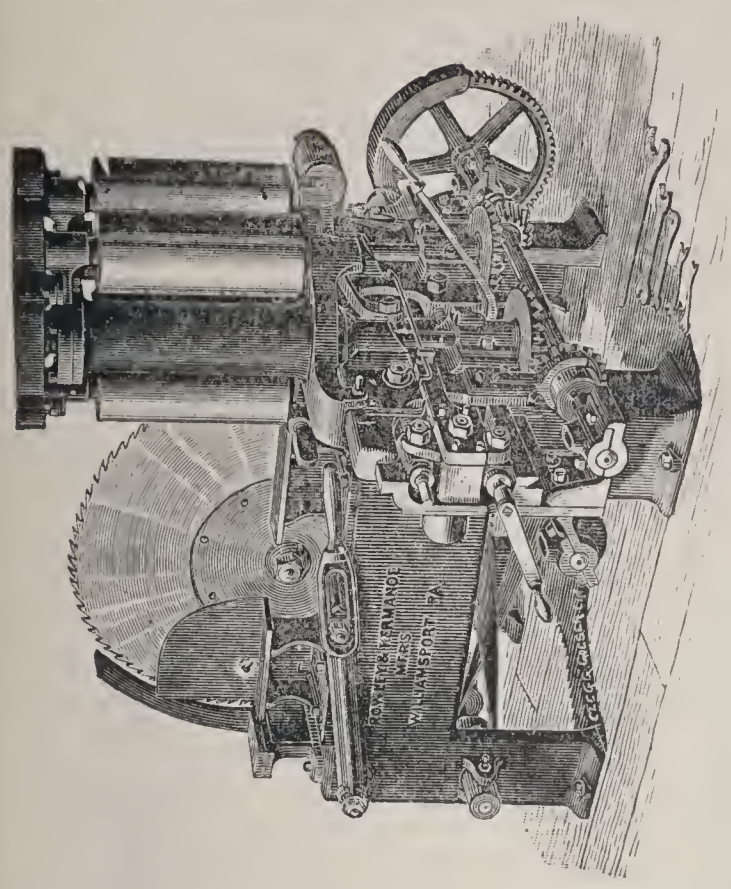
HEAVY Planers for Mill Work, "Pony" Planers, Cigar Box Planers, Moulders, Mortisers, Tenoners, Band Saws, Re-Saws, Scroll Saws, Saw Tables, Jointers, Shapers, Wood-Turning Lathes, Borers, etc., etc., etc.

FOR EXPORT BY

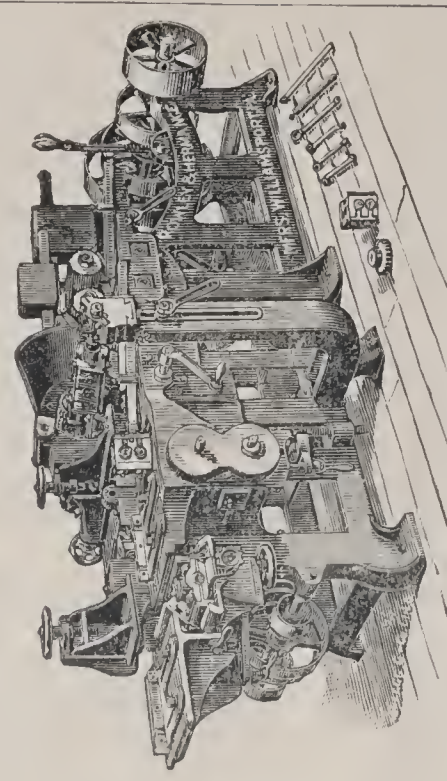
THE SEEGER & GUERNSEY CO.,

NEW YORK.

ROWLEY & HERMANCE, WILLIAMSPORT, PENNA.



Improved New Champion Re-Sawing Machine.



Improved Four-sided Moulder.—9 and 10 inch.

ROWLEY & HERMANCE,

WILLIAMSPORT, PA.

BUILDERS OF

LATEST IMPROVED

MACHINERY

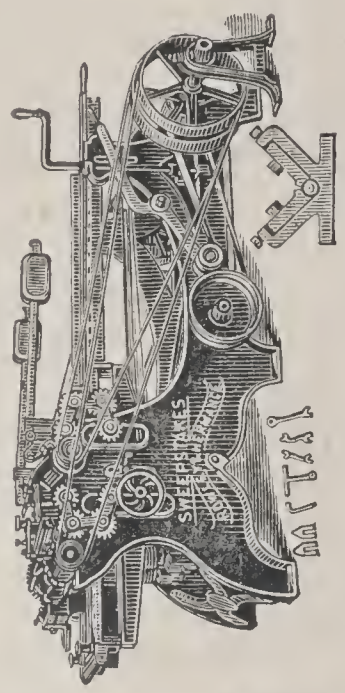
FOR

Working Wood.

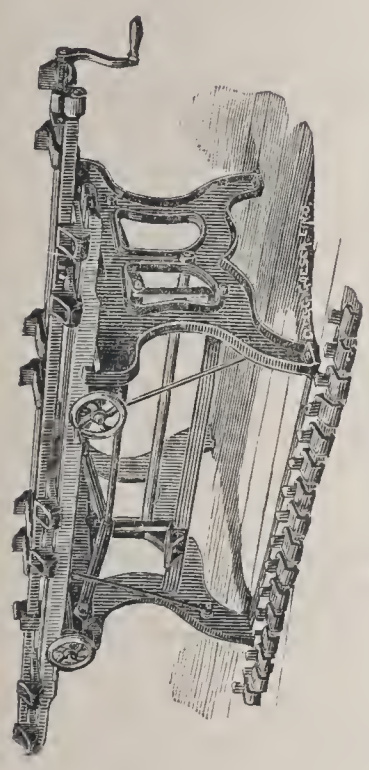
PLANING MACHINES,

DOOR AND BLIND MACHINERY

A SPECIALTY.



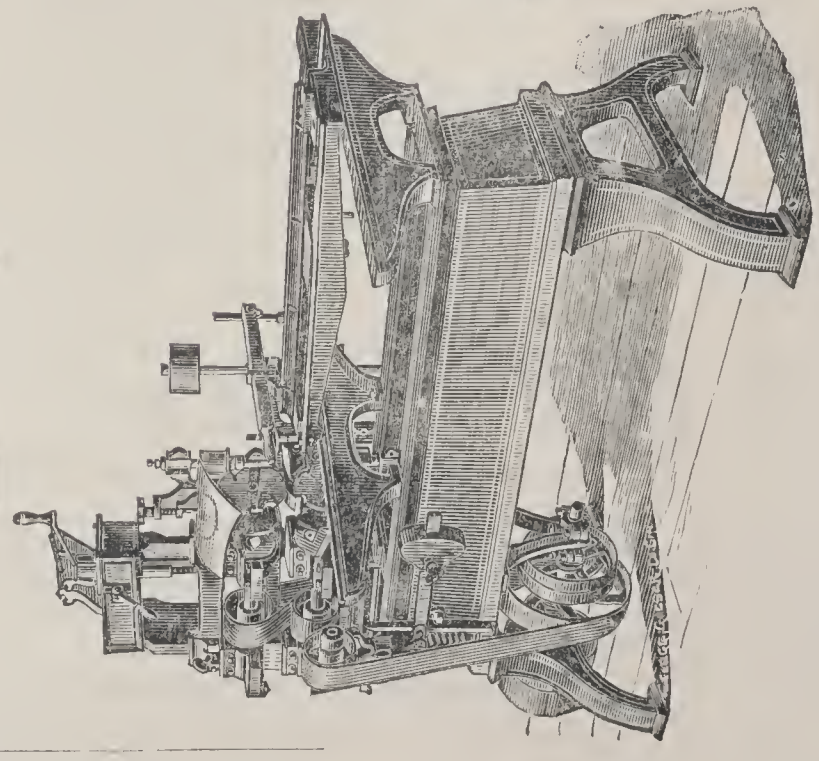
Sweepstakes Planer, Matcher and Moulder, Improved.



Improved Single Motion Door and Blind Clamp.

☞ Write for Catalogue and Price List of our Machines, Boxed for Export and Delivered F.O.B. cars in New York.

SASH,



No. 2.—Improved Tenoning Machine.

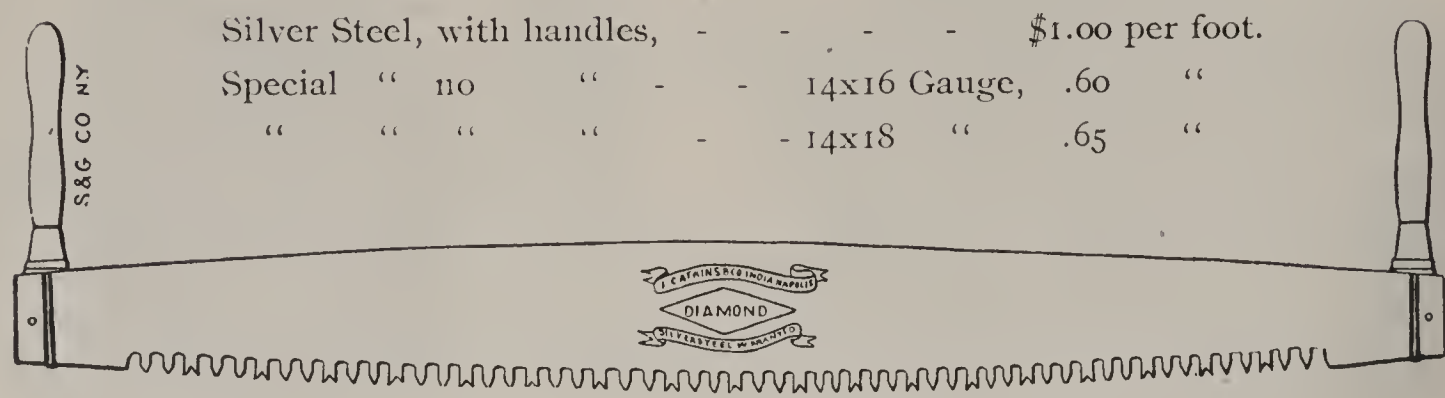
FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

E. C. Atkins & Co., Indianapolis, Ind., U. S. A.

ATKINS' DIAMOND TOOTH.

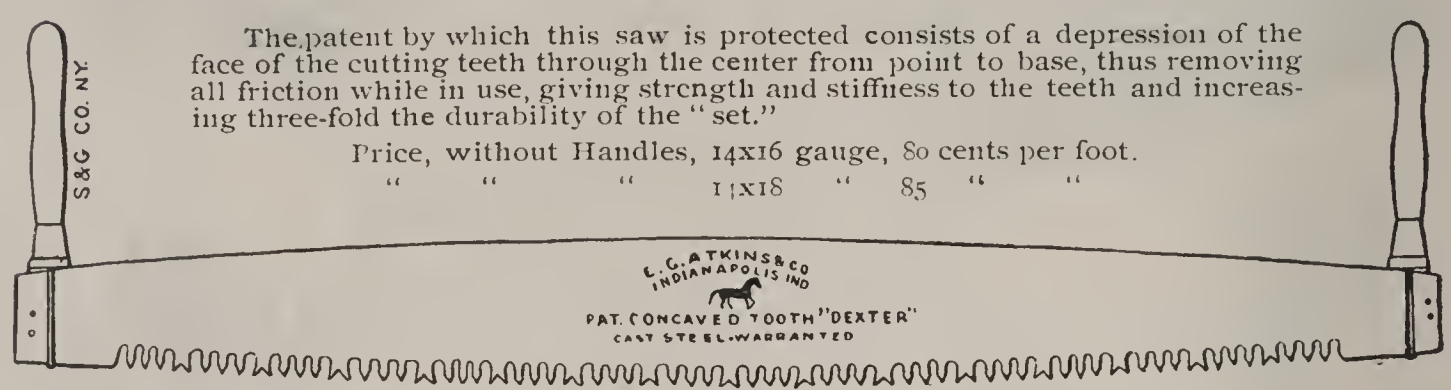
Silver Steel, with handles, - - - - $1.00 per foot.
Special " no " - - 14x16 Gauge, .60 "
" " " " - - 14x18 " .65 "



ATKINS' PATENT CONCAVE TOOTH DEXTER.

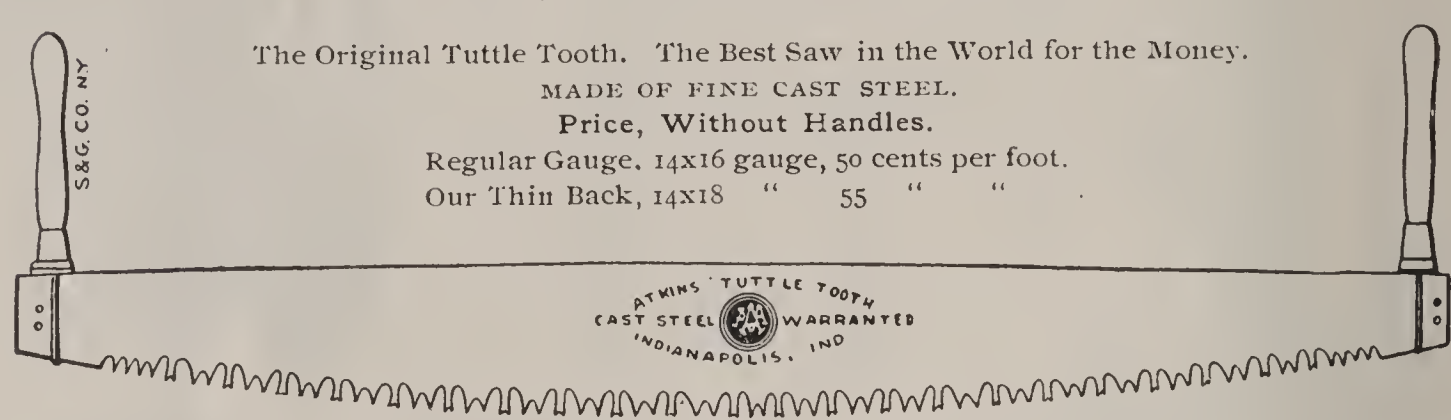
The patent by which this saw is protected consists of a depression of the face of the cutting teeth through the center from point to base, thus removing all friction while in use, giving strength and stiffness to the teeth and increasing three-fold the durability of the "set."

Price, without Handles, 14x16 gauge, 80 cents per foot.
" " " 14x18 " 85 " "



ATKINS' TUTTLE TOOTH.

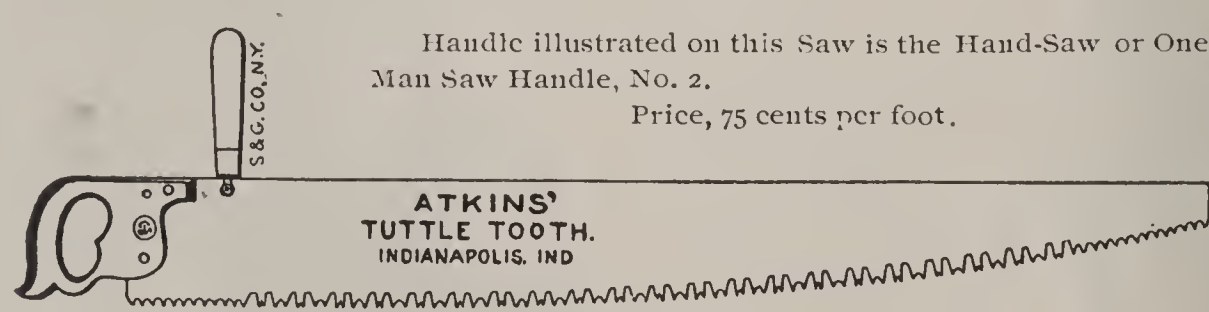
The Original Tuttle Tooth. The Best Saw in the World for the Money.
MADE OF FINE CAST STEEL.
Price, Without Handles.
Regular Gauge, 14x16 gauge, 50 cents per foot.
Our Thin Back, 14x18 " 55 " "



ATKINS' ONE-MAN SAWS, with either style Tooth or Handle.

Tuttle Tooth.

Handle illustrated on this Saw is the Hand-Saw or One-Man Saw Handle, No. 2.
Price, 75 cents per foot.



We make a specialty of fine, high grade saws. Our leading popular brands are shown in the illustrations given above, and we furnish any style of tooth that is required. The price for any style of tooth not shown will be the same as the Tuttle Tooth Saws. This includes Common, or V tooth, Electric, Single Hook, Double Hook, American, etc.

We furnish our Full Catalogue on Application.

Address, E. C. ATKINS & CO., Indianapolis, Ind., U. S. A.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

E. C. Atkins & Co., Indianapolis, Ind., U. S. A.

Solid Tooth Circular Saws.

Patent Ground and Tempered.

Made of best selected Cast Steel, extra quality.

Workmanship Unequalled.

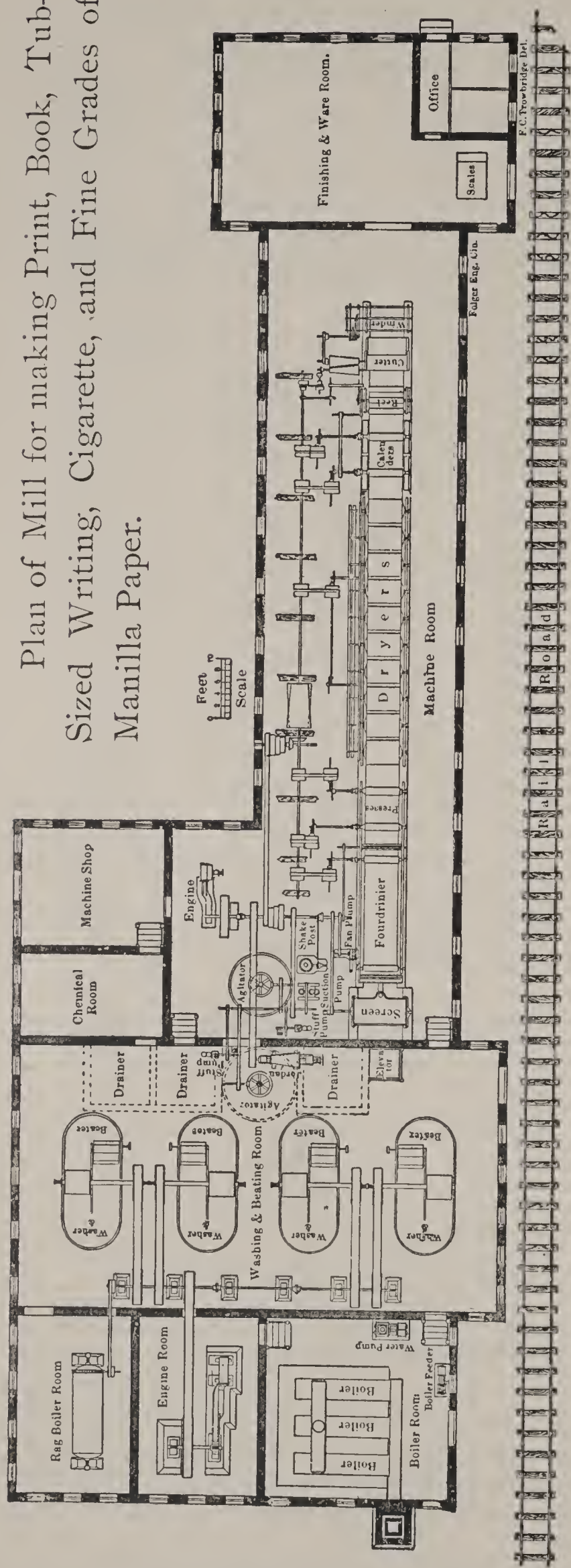
Diameter Inches	Thickness Gauge	Size of Hole Inches	Price Each	Extra for Each Additional Gauge (heavier)	Price for Beveling New Saws Per Gauge
4	19	¾	$0 90	$0 03	$0 14
5	19	¾	1 10	04	16
6	18	¾	1 30	05	18
7	18	¾	1 50	06	20
8	18	⅞	1 75	08	22
9	17	⅞	2 00	10	25
10	16	1	2 30	12	28
12	15	1	3 00	17	35
14	15	1⅛	4 50	21	40
16	14	1⅛	5 50	25	50
18	13	1⅛	7 00	30	60
20	13	1¼	8 50	35	70
22	12	1¼	10 00	45	80
24	11	1¼	12 00	55	90
26	11	1¼	14 50	65	1 05
28	10	1⅜	16 00	80	1 20
30	10	1⅜	18 00	90	1 30
32	10	1½	20 00	1 00	1 40
34	9	1½	22 50	1 20	1 55
36	9	1⅝	25 50	1 40	1 70
38	9	1⅝	30 00	1 75	1 85
40	9	2	35 00	2 00	2 00
42	8	2	40 00	2 50	2 20
44	8	2	52 50	3 00	2 40
46	8	2	60 00	3 50	2 60
48	8	2	70 00	4 00	2 80
50	7	2	80 00	4 50	3 00
52	7	2	90 00	5 00	3 25
54	7	2	100 00	6 00	3 50
56	7	2	115 00	7 00	3 75
58	7	2	130 00	8 00	4 05
60	6	2	145 00	9 00	4 35
62	6	2	160 00	10 00	4 65
64	6	2	180 00	12 00	5 00
66	6	2	200 00	15 00	5 35
68	5	2	225 00	18 00	5 75
70	5	2	255 00	21 00	6 15
72	5	2	290 00	24 00	6 55
74	5	2	330 00	27 00	7 00
76	5	2	375 00	30 00	7 50

No extra charge for saws one gauge thicker than list.

Our line of manufacture includes all kinds of Mill Saws. We make a specialty of Inserted Tooth, Chisel Bit Saws, and Band Saws for log mills, and Narrow Band Saws. Our late catalogue, Saws and Saw Tools, contains special instructions and suggestions in the use and care of circular and band saws, and is an invaluable book to saw hammerers and mill mechanics. We furnish our full catalogue, or special catalogue, Saws and Saw Tools, on application. Address,

E. C. ATKINS & CO., Indianapolis, Ind., U. S. A.

Plan of Mill for making Print, Book, Tub-Sized Writing, Cigarette, and Fine Grades of Manilla Paper.



MANUFACTURERS OF

PAPER MILL MACHINERY.

COMPLETE OUTFITS FURNISHED

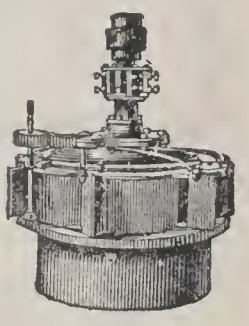
FOR THE

Manufacture of any Desired Grade of Paper.

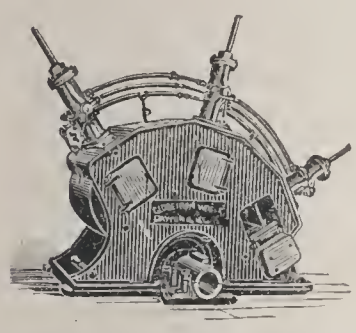
PAPER MILL MACHINERY.

The two Plans of Mills shown on pages 200 and 202 are arranged for Steam Power exclusively, but, where parties desire to avail themselves of water power, our plans may be so modified as to substitute water wheels instead of the steam engines.

Owing to the many varying conditions of applying water power, it is hardly possible to send out a plan of a water power mill that would be suitable for any given location, and in view of this, we much prefer to make special plans for each application for water power mill.



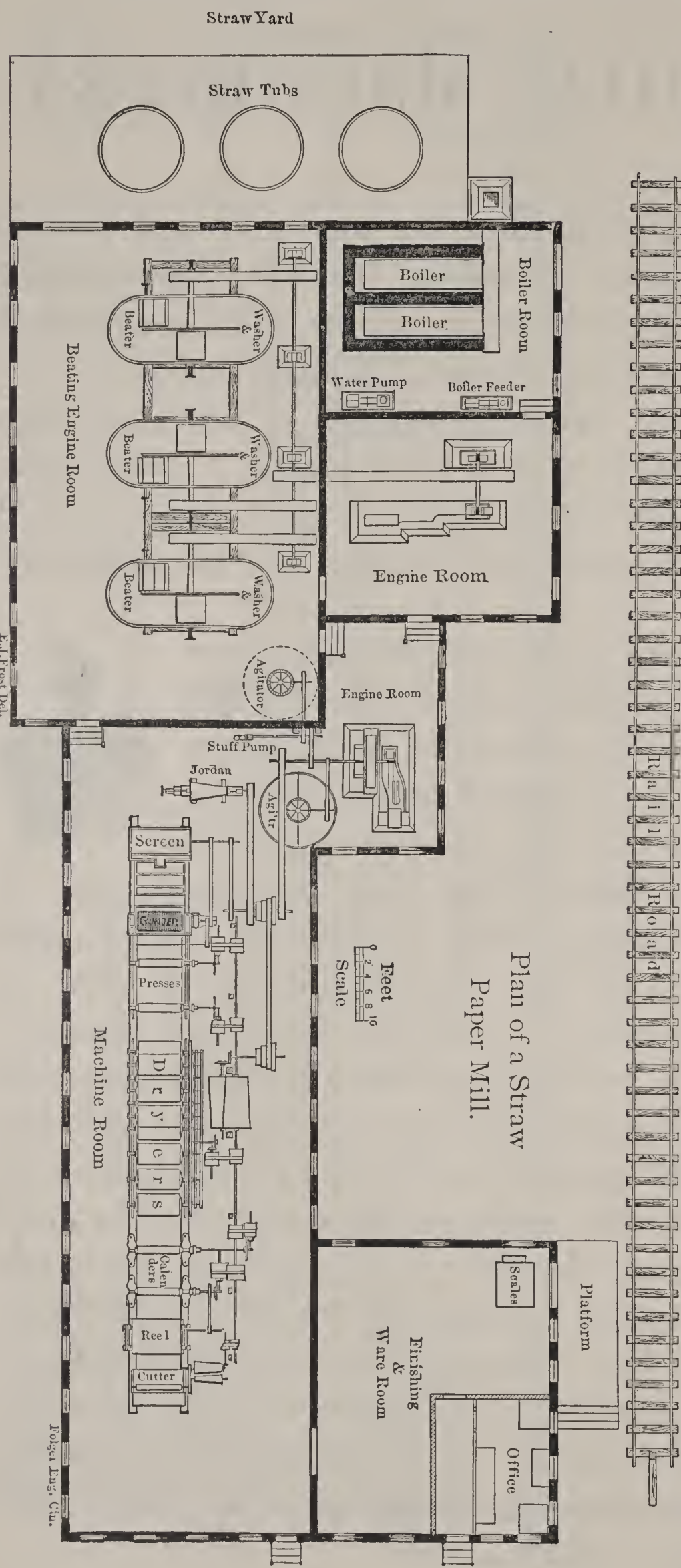
The small cut shown here is of the well-known New American Turbine Water Wheel, which we will incorporate in our plans for water power mills, and in cases where Mechanical, or Ground Wood Pulp can be made to advantage, we are prepared to furnish Mills Patent Wood Pulp Grinders, as per cut shown here. This Grinder will produce 3,000 pounds of Pulp in twenty-four hours with 100 horse power.



In making application for specifications and prices for outfits it is essential to state what grades of paper you wish to make, in what quantity, and what width of sheet, as quantity and width of sheet are very important factors in determining details. Quantity should be given per day of twenty-four hours. It is not advisable to arrange for less than 4,000 pounds of paper per day, and cost of production will be proportionately less as the output is increased. If an output of more than 20,000 pounds per day is required we would recommend a two machine mill. In every instance inquiries should state what kind of stock

(See Page 203).

Manufacturers of Paper Mill Machinery.



Complete outfits furnished for any desired Grade of Paper.

The cut on this page shows a plan of Mill with machinery located for the manufacture of Straw Wrapping and other coarse grades of paper, such as rag-wrapping, carpet roofing, cloth, express, and common grades of manilla paper.

Detailed specifications and prices furnished on application.

or fibre is to be used for making the particular grades of paper. This information will enable us to provide suitable cooking tubs, or boilers, and ample capacity for washing and beating the stock to give required output of mill.

It is not best to attempt to make too many grades of paper in same mill, as by so doing compromises must be made as to character and arrangements of the machinery, which will detract from the efficiency of the mill for any special class of paper. To arrange to make the different grades of the same, or similar classes of paper should be the limit of variety in production.

We have had considerable experience in the export trade, and have sent complete outfits to Japan, Australia, Mexico, Canada, and many smaller shipments to other foreign countries. We have been established sixteen years and our outfits are modern in design and efficiency. Our shipping facilities are unsurpassed, and we can always furnish outfits free on board ocean steamers at New York or other American seaboard cities.

As all our machinery is built to special order, about ninety days are required in which to execute an order for a complete outfit.

Our correspondents and customers can rely upon honorable and courteous treatment on all occasions.

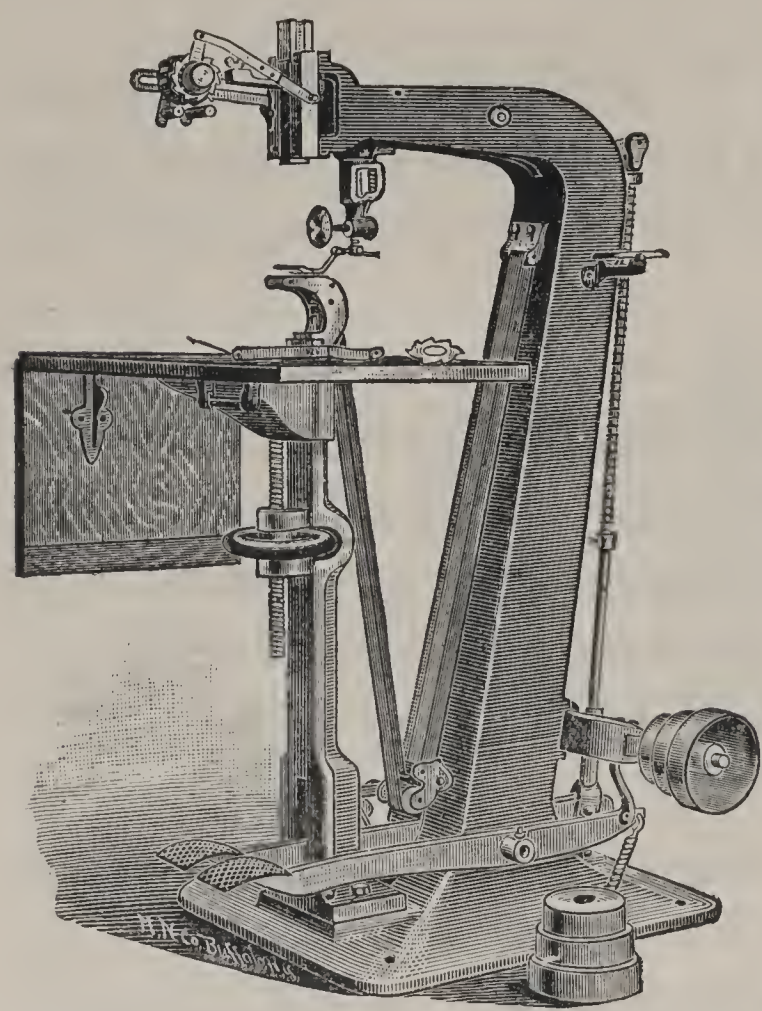
THE BLACK & CLAWSON CO.,

HAMILTON, OHIO, U. S. A.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE W. O. HICKOK MFG. CO., HARRISBURG, PA U. S. A.



Showing Head Up. This brings figures to print first impression directly before operator's eyes for inspection, setting, or cleaning. Patented.

THE

"HICKOK"

1890

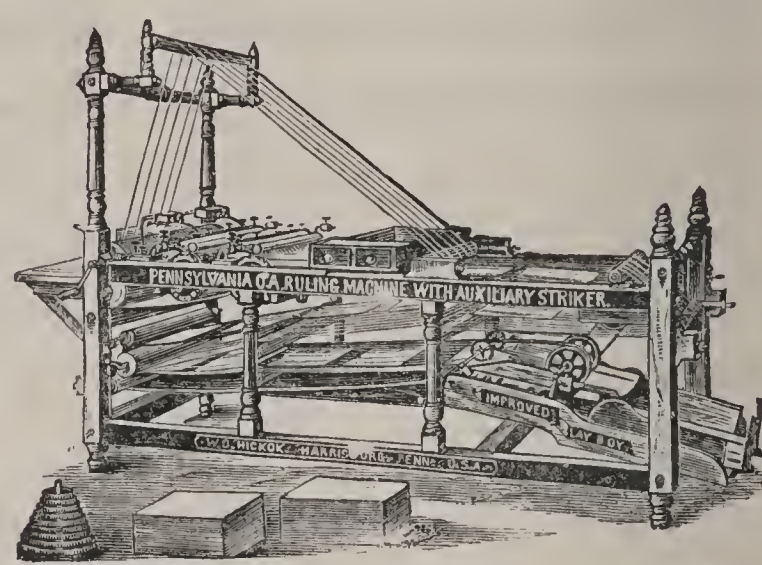
DESIGN.

Send for circulars and copies of letters we have from users of these machines.

Best Round or Fancy Corner Cutters. Power or foot.

Write for DISCOUNTS and PRICES.

"HICKOK"
Is the machine which
Challenges all other
Kinds and makes.
Only good material and labor
Keeps a machine perfect.



"Duplex" or 2-Beam Striker. "Hickok" Paper Makers' and Rulers' Machines and Pens.

WE MAKE

Ruling Machines.
Paging and Numbering Machines.
Knife Grinding Machines.
Roller Backing Machines.
Book Sawing Machines.
Rotary Board Cutting Machines.
Case Smoothing Machines.
Case Bending Machines.
Round Corner Cutting Machines.
Jones Dry Presses.
Standing Presses.
Gilding Presses.
Gauge Table Shears.
Sewing Benches.
Brass Bound Boards.
Cherry Pressing Boards.

Celebrated "Hickok" Ruling Pens.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

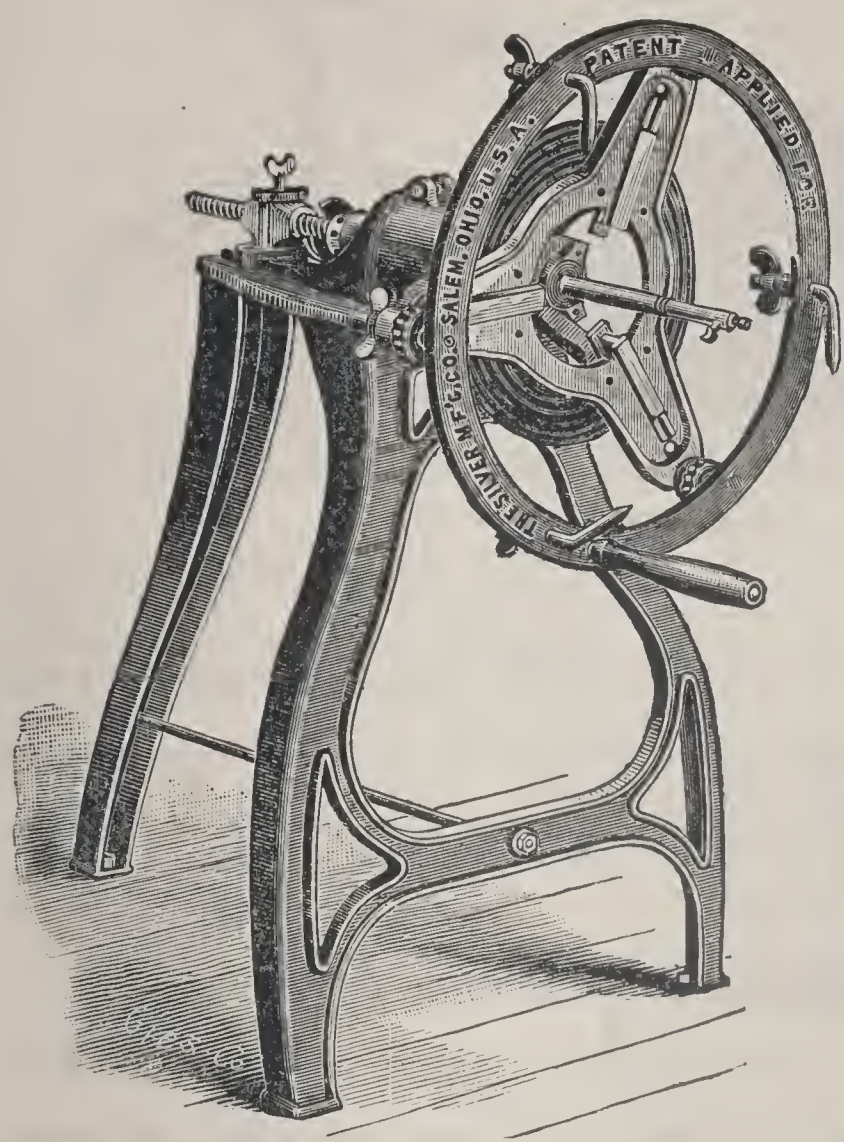


FIG. 709.

PRICE LIST, Fig. 709.

SILVER'S New Taper Hub-Boring Machine, with Self-Centering Chuck, and Improved Open Feed Nut.

No. 2. For lightest buggy work, and up to 7¼x10 in. Hubs, 100 lbs... ..... $35 00

No. 3. With two mandrels, for light and heavy work, up to 9½x13 in. Hubs, 170 lbs..... 45 00

Either size, without iron stand or legs, to go on work-beneh, $5 00 less list.

Silver's Patent Hub-Boxing Machine, Fig. 710, No. 1, for medium work, 25 lbs..... $25 00

Silver's Patent Hub-Boxing Machine, Fig. 710, No. 2, for very largest wheels, 75 lbs.... ..... 35 00

Doles' Old Standard Hub-Boxing Maehine, Fig. 711, No. 1, for light work, 20 lbs 20 00

Doles' Old Standard Hub-Boxing Machine, Fig. 711, No. 2, for medium work, 25 lbs. 23 00

Dole's Old Standard Hub-Boxing Machine, Fig. 711, No. 3, for heavy work, 40 lbs.... $27 00

Silver's Double Chuek Taper Hub-Boxing Machine, Fig. 714, for very heavy wagon wheels, 75 lbs..... ..... 35 00

ALL OF THESE MACHINES ARE FOR HAND USE.

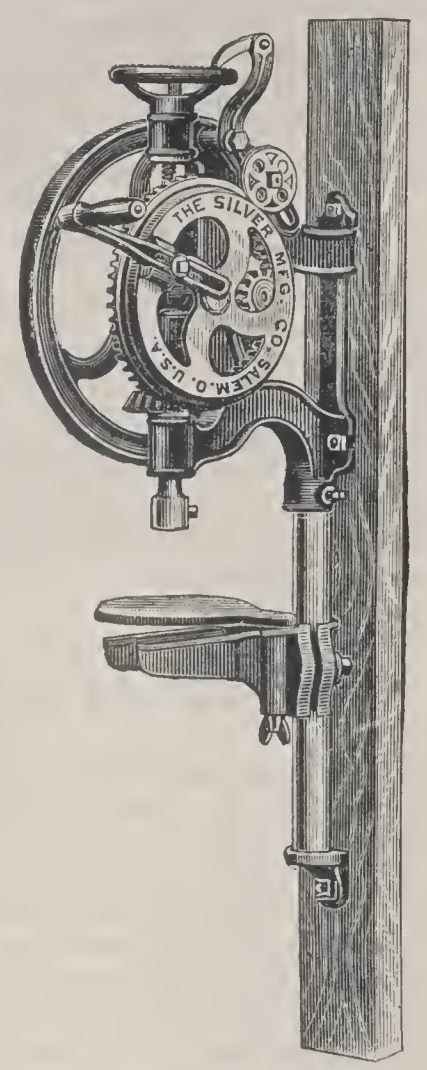


FIG. 732, No. 2.

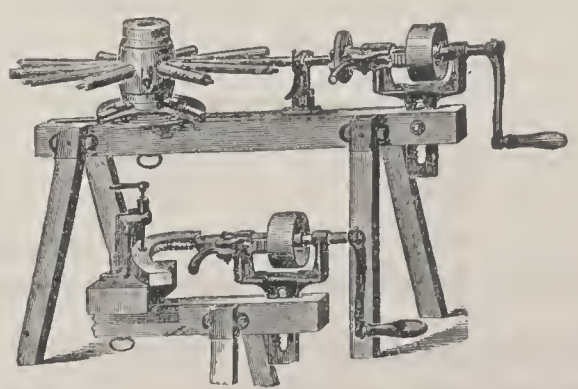
UPRIGHT POST DRILLS.

No. 1½. Fig. 730. Single-Geared, Hand-Feed, Drills up to ¾ in. and to eenter of 12 in. Cirele, 55 lbs..... ..... $6 00

No. 2. Fig. 732. Double Back Geared, Self-Feed, Drills up to 1 in. and to eenter of 14½ in. Cirele, 100 lbs..... 10 00

No. 3. Fig. 734. Same as No. 2, but larger and stronger, Drills up to 1¼ in. and to eenter of 16 in. Circle, 140 lbs.... ..... 14 00

Twist Drill Bits furnished for these maehines at additional cost.

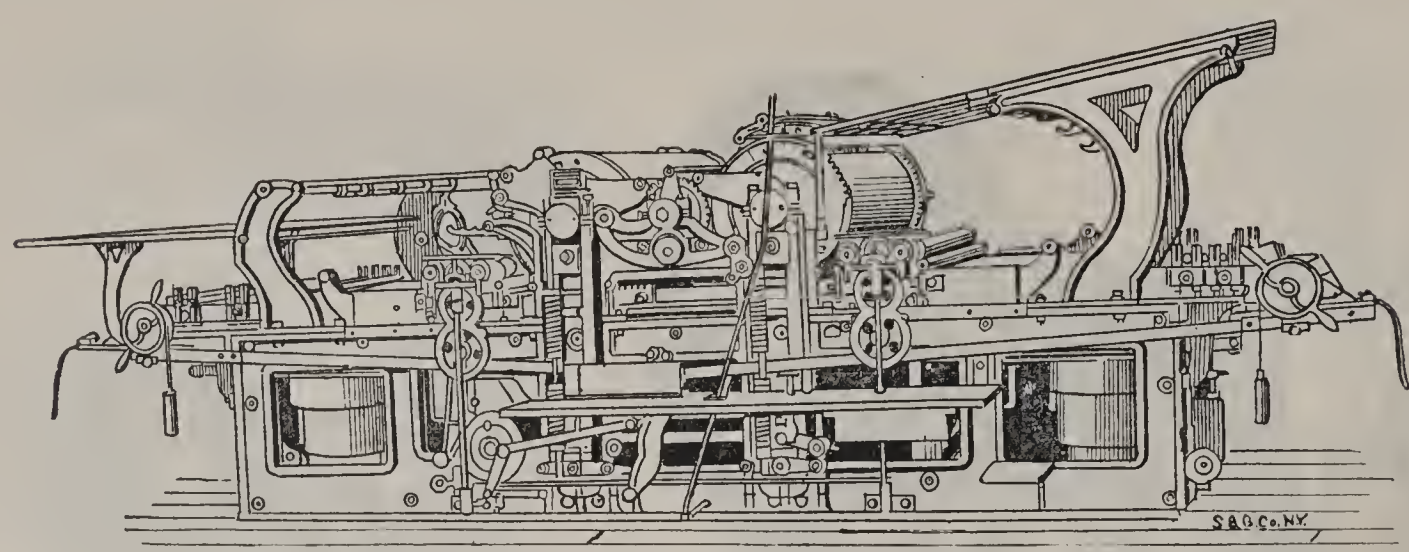


DOLE and DEMING'S Patent Spoke Tenoning Machines with Felloe Boring Attachment, and the celebrated "Star" Hollow Auger.

No. 1. Fig. 716.	With No. 1 Auger, cuts tenons 7-16 to 1 in. Diameter, for hand use, weight 85 lbs	$23 00
" 2 " 717.	" " 2 Auger, cuts tenons 5-8 to 1¼ in. Diameter, for hand use, weight 140 lbs.	32 00
" 2½." 717.	" " 3 Auger, euts tenons ¾ to 1½ in. Diameter, for hand use, weight 140 lbs.....	35 00
" 3 " 718.	" Nos. 1 and 2 Augers, cuts tenons 7-16 to 1¼ in. Diam., for hand or power, weight 146 lbs.	45 00
" 3½." 718	" Nos. 1 and 3 Augers, cuts tenons 7-16 to 1½ in. Diam., for hand or power, weight 146 lbs.	50 00

COOK'S PATENT MACHINE BITS FOR FELLOE BORING ATTACHMENTS ARE FURNISHED AT ADDITIONAL COST.

THE HUBER PRINTING PRESS CO., TAUNTON, MASS.



The above cut represents the *HUBER TWO COLOR PRESS.*

Patented Two Revolution, Double Rolling, Four Rollers. The only successful Two-color Printing Press in the World.

There are two impression cylinders which print two colors simultaneously from two separate forms. By this principle we have in reality two presses combined in one, and as a consequence the results of two presses in same given space of time as one.

As the sheet is fed automatically from the first impression cylinder to the second, the risk of the feeder making a mistake and the handling of stock is reduced fifty (50) per cent.

Its advantages for all kinds of LABEL PRINTING are such that it is fast driving all other presses for that purpose out of the market.

The Huber Sheet Perfecting Press.

This Press is especially designed for the use of book printers, and publishers of weekly and monthly papers, pamphlet and almanac work.

The sheet is fed in the usual manner from the feed-board on to the impression cylinder most remote from the feeder's position, and passing between the bed and cylinder receives an impression from the first form; it is then taken by the grippers on the other impression cylinder, and carried up between the two cylinders and around between the bed again, where it receives an impression from the second form upon its opposite side, and is again carried up between the cylinders and delivered to the fly in the usual way.

Any off-set, from the first printed side of the sheet, upon the tympan of the second impression cylinder, is at once removed by our improved off-set apparatus, and ordinary work can be run several days without it being necessary to renew the tympan sheet.

The speed, in sheets, per hour, is practically equal to any single press of the same size, and, as it prints on both sides of the sheet in perfect register, the result is equivalent to the work of two presses.

We believe that book printers and publishers will appreciate this press to its full value, filling, as it does, a long-felt want by them, of a press capable of taking a large or small sheet, and after one operation laying it upon the fly-board finished.

THE HUBER TWO COLOR PRESS.

Size of Bed 36x52 Size of Sheet 33x50 Price $6,500 Speed Per Hour, in Two Colors, 1,100

THE HUBER SHEET PERFECTING PRESS.

Size of Bed 36x52 Size of Sheet 34x50 Price, $6,000 Speed per hour, on both sides, 1,200

We also build the most successful Two Revolution Bed and Cylinder Book and Job Presses in the market.

Name	Size of Bed	Size of Sheet	Price	Speed Per Hour
No. 1, Four Roller	44x60	42x59	$5,500	1,300
No. 1, Three Roller	48x60	46x59	5,500	1,300
No. 2, Four Roller	37½x52	35x50	4,500	1,500
No. 2, Three Roller	41½x52	39x50	4,500	1,500
Mustang, Two Roller	26x35	24x34	2,500	2,200

Speed given are not the maximum, but are given within limit of proper usage.

Three hundred of the above machines are in use in the principal printing establishments in the United States, and have also been adopted by the U. S. Government Printing Bureau at Washington, D. C.

Ohio Tool Company, Columbus, Ohio.

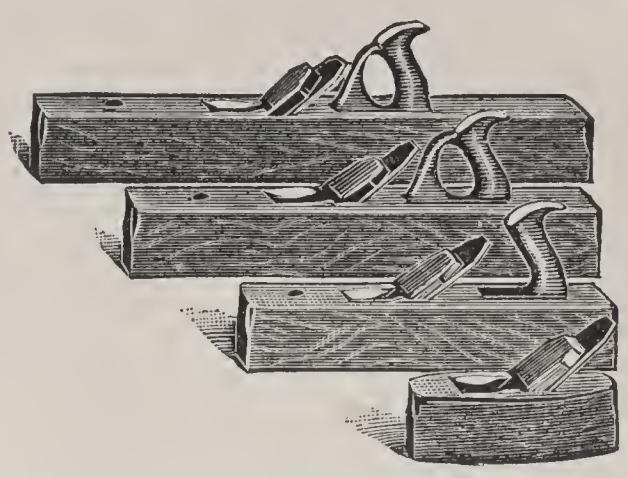
Established 1840.

MANUFACTURERS OF SUPERIOR QUALITY

PLANES
Bench and Moulding.
Plane Irons.

BENCH SCREWS
Bevel, square & V thread.

HAND SCREWS
With Hickory Spindles.



HANDLES
Chisel, File, Saw, Plane and Auger.

CHISELS
Framing, Corner, Plain and Bevel Edge Firmers.

DRAWING KNIVES
Carpenter & Razor Blade.

COOPER'S EDGE AND WOOD TOOLS. TRESS HOOPS.

No. 3. *Aisle* Smooth Plane, with best cast steel double iron, polished start, 2 to 2¼ irons. Weight per doz., 2-inch, 24 lbs. Price each $0 90

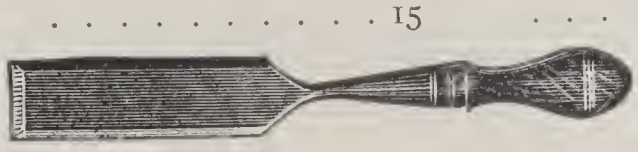
No. 15. *Aknee* Jack Plane, with best cast steel double iron, polished start, 2 to 2¼ in. irons. Weight per doz., 2¼ in., 51 lbs. Price each 1 00

No. 21. *Alack* Fore Plane, with best cast steel double iron, polished start, 2⅜ to 2⅝ in. irons. Weight per doz., 2½ in., 81 lbs. Price each 1 40

No. 27. Jointer Plane, with best cast steel double iron, polished start, 2½ to 2¾ irons.
Aland 26 in., weight per doz., 2½ in., 90 lbs. Price each 1 50
Alarm 28 in. " " 2½ in. 102 lbs. " 1 60
Alate 30 in. " " 2½ in. 108 lbs. " 1 75

Razor Blade Drawing Knives.

	Cable		Weight per dozen	Price per dozen
No. 244½,	*Alias*	7 in	12 lbs	$18 00
"	*Alert*	8	12½	19 00
"	*Aleak*	9	13½	20 00
"	*Alder*	10	14	21 00
"	*Album*	11	14½	22 00
"	*Alban*	12	15	23 00



Bevel Edge Socket Firmer Chisels,

With six-inch solid cast steel blades, handled.

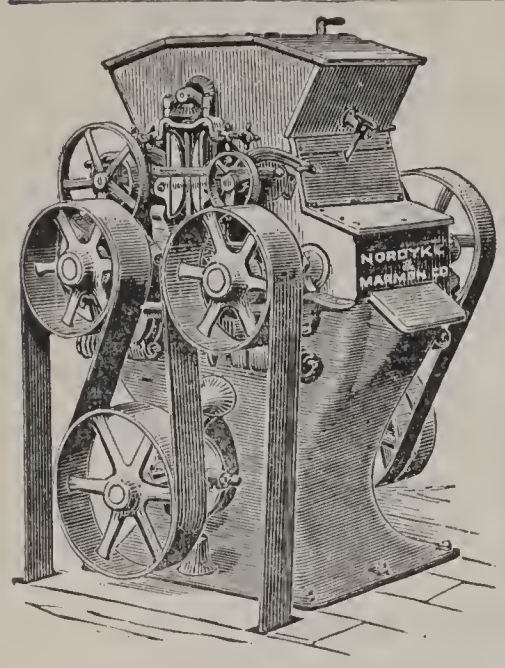
	Cable		Weight per dozen	Price per dozen
No. 252,	*Alman*	⅛ in	4 3-16 lbs	$12 00
"	*Alloy*	¼	4½	12 00
"	*Allow*	⅜	5 1-16	12 00
"	*Allot*	½	5 9-16	13 00
"	*Allay*	⅝	7 1-16	14 00
"	*Allah*	¾	7 6-16	15 00
"	*Alive*	⅞	8 5-16	16 00
"	*Aline*	1	9 2-16	17 00
"	*Alike*	1¼	10	18 00
"	*Alife*	1½	11¾	19 00
"	*Alien*	1¾	13 9-16	20 00
"	*Alibi*	2	15½	21 00

Illustrated Catalogue, with prices, mailed free upon application.

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., New York.

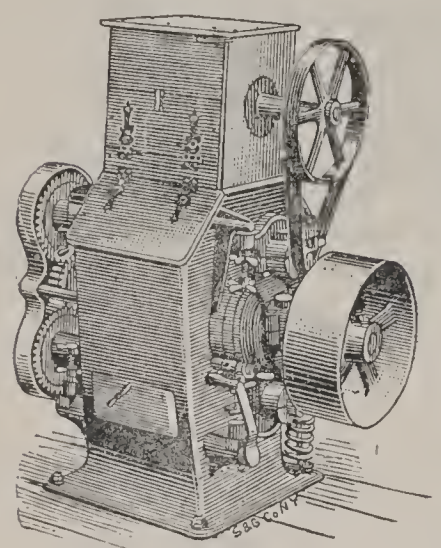
Nordyke & Marmon Co., Indianapolis, Ind.



Four Roller Mill.

Prices of Double and Single Roller Mills.

Size. Inches.	All Smooth.	½ Corrug. ½ Smooth.	All Corrugated.
6 x 12	$350.00	$355.00	$360.00
6 x 16	385.00	395.00	400.00
6 x 20	425.00	430.00	435 00
7 x 14	385.00	395.00	400.00
7 x 18	420.00	430.00	430.00
7 x 24	475.00	480.00	490.00
9 x 18	470.00	480.00	490.00
9 x 24	525.00	540 00	550.00
9 x 30	590 00	610.00	625.00



Three Roller Mill.

Corn and Feed Roller Mills.

THREE-ROLL, TWO-BREAK CORN MILL.

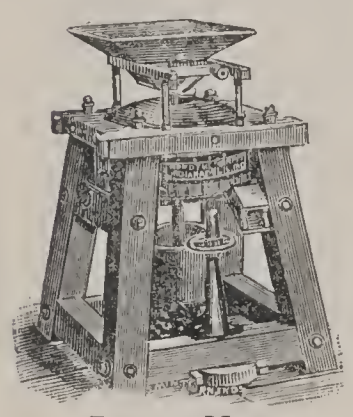
Number.	Height.	Width.	Depth	Size of Pulley	Speed per Minute.	Horse Power	Weight. Lbs.	Price on board Cars in New York.
1	4 ft. ½ in.	3 ft. 5 in.	2 feet.	16x6½	600 to 700	4 to 8	1,300	$250.00
2	4 ft. ½ in.	4 ft. 1 in.	2 feet.	16x6½	600 to 700	6 to 10	1,500	335.00

THREE PAIR, HIGH, SIX-ROLLER MILL.

Size of Rolls	7 x 14	7 x 18	9 x 18	9 x 24
Price on board cars in N. Y.	$525.00	$570.00	$675.00	$750.00

TWO PAIR, HIGH, FOUR-ROLLER MILL.

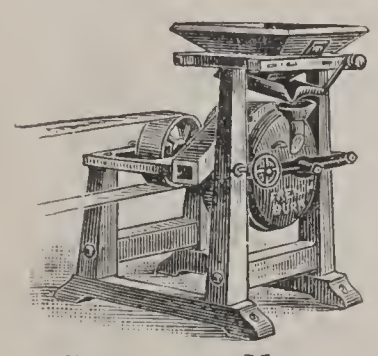
Size of Rolls	7 x 14	7 x 18	9 x 18	9 x 24
Price on board cars in N. Y.	$375.00	$405.00	$465.00	$515.00



Pulley Mill.

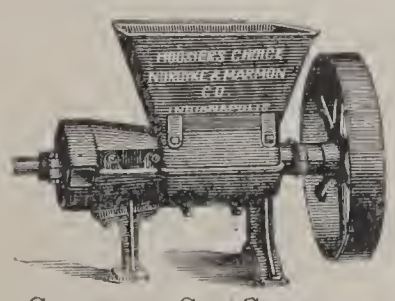
Nordyke's Portable Mills.

EIGHTEEN SIZES AND STYLES. OVER 25,000 IN USE.



Plantation Mill.

Kind of Mill.	Diameter of Stones.	Weight in pounds, Boxed.	Price on board Cars in New York
"Plantation" horizontal spindle mill	14 inch.	470	$75.00
	18 "	750	100.00
Under-runner pulley mill, with all improvements. Pulley on spindle	18 "	875	100.00
	20 "	950	105.00
	26 "	1,400	140.00
	30 "	2,000	180.00
	36 "	2,800	225.00
Under-runner mill, geared	20 "	1,000	130.00
	26 "	1,750	170.00
	30 "	2,500	200.00
	36 "	3,200	280.00
Upper-runner, pulley with all improvements	30 "	2,550	210 00
	36 "	3 000	250.00
	42 "	4,500	330.00
Upper-runner, improved gear patterns, wood cogs in driving wheels	30 "	3,000	235.00
	36 "	3.500	290.00
	42 "	4,500	355 00
Corn and cob crusher	-------	500	28.00

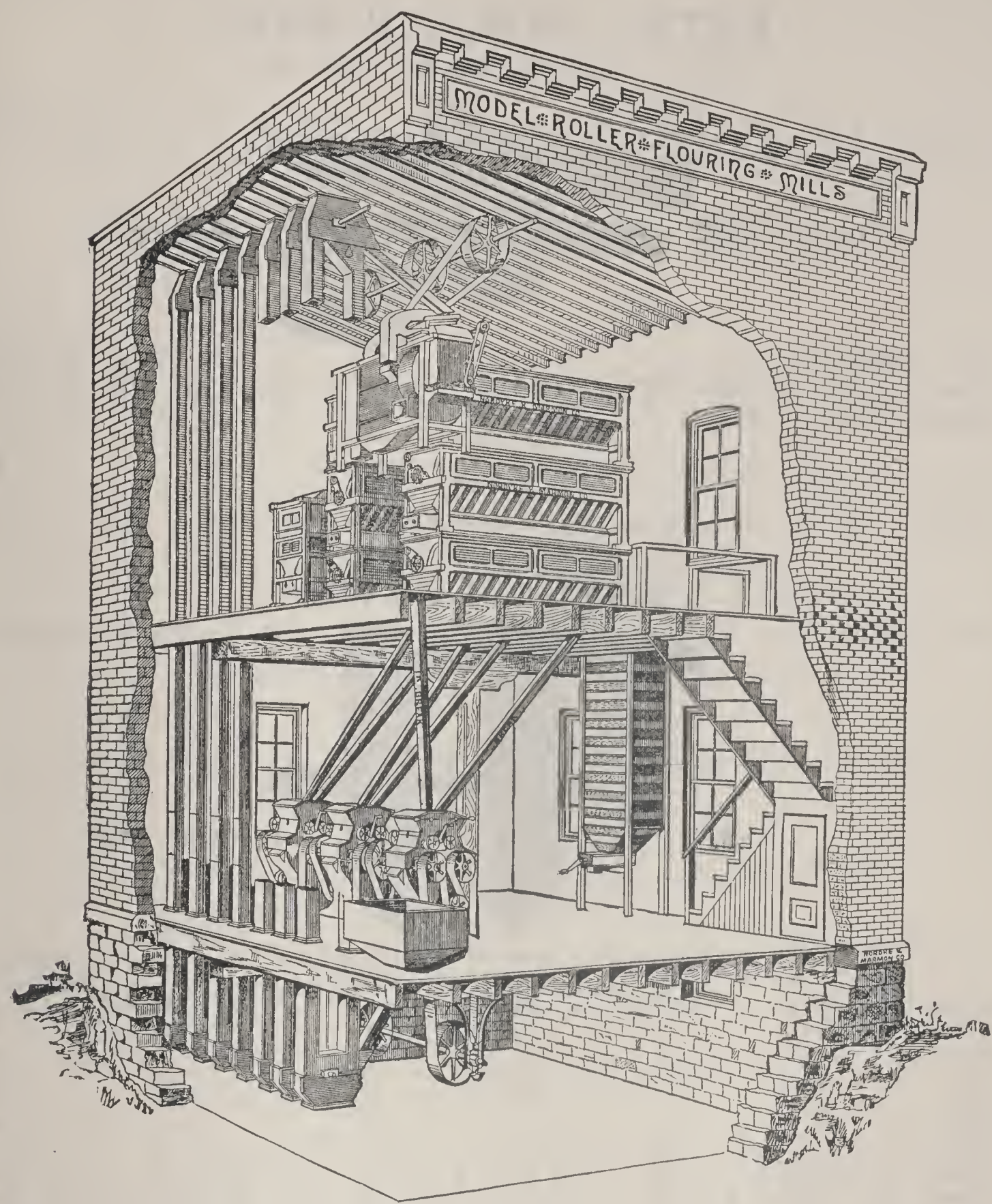


Corn and Cob Crusher.

Cable, "NORDYKE," Indianapolis.

COMPLETE TWO AND THREE-RUN FLOUR MILLS.

Mills for wheat, one for corn, bolt and wheat cleaning machinery, elevators, etc. Send for estimates. State particulars, kind of power, etc.



PRICES AND SPECIFICATIONS.

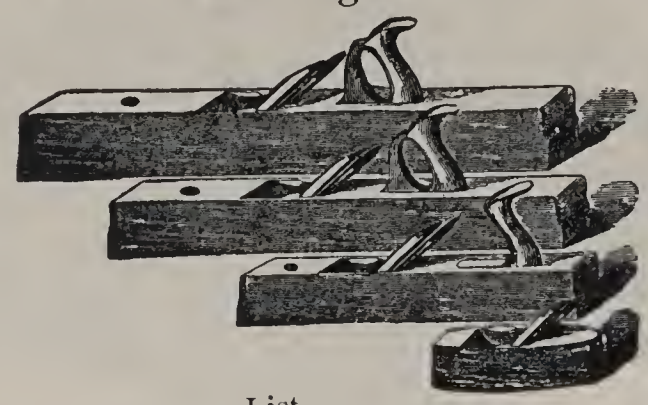
Number.	Cable Word.	Capacity 24 Hours.	Double Roller Mills.	Bolting Reels.	Middlings Purifiers.	Dust Collectors.	Bran Dusters.	Cleaning Machines, Combined.	Weight, Boxed.	Price on Cars in New York.
1	Aback	20 bbls.	2-6 x16	4-7 ft. long	.....	.....	.....	1 No. 1	18,000 lbs.	$1,565.00
2	Abaft	25 "	3-6 x12	7-7 "	1 No. 00	1 No.4	1 No.0	1 No. 1	22,000 "	2,500.00
3	Abate	30 "	3-6 x16	7-7 "	1 No. 00	1 No.4	1 No.0	1 No. 2	24,000 "	2,700.00
4	Abet	50 "	4-7 x14	10-7 "	2 No. 00	2 No.4	1 No.0	2 No. 2	30,000 "	4,000.00
5	Adair	75 "	4-7 x18	10-7 "	2 No. 0	2 No.4	1 No.1	3 No. 1	38,000 "	4.375.00
6	Afar	100 "	4-7 x24	10-7 "	2 No. 0	2 No.4	1 No.2	3 No. 1½	76,000 "	5,825.00
7	Akin	125 "	6-9 x18	14-7 "	3 No. 0	3 No.4	1 No.2	3 No. 1½	108,000 "	6,400.00
8	Ape	150 "	6-9 x24	16-7 "	4 No. 0	4 No.4	1 No.3	3 No. 2	120,000 "	8,000.00

Prices include necessary Elevator, Heads, Boots, Pulleys, Belts, Cups and Bolts, Shafting Pulleys and other Iron Work and Belting necessary to connect with power according to plans furnished. Estimates made on larger Mills on application. Also detailed estimates of above.

When ordering direct give name of agent in this country who will attend to transfers and remittances.

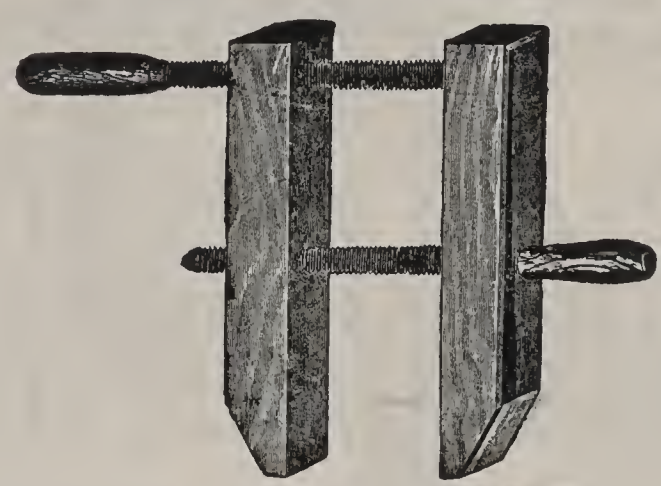
EXTRA BENCH PLANER.

All with Polished Lignum Vitæ Starts.



Cable	Invoice No.	List	Price Each
Exode.	3	2 to 2¼-inch Double Iron Smoothing Plane	$0 90
Expel	13	2 to 2¼ " " " Jack "	1 00
		Packed 36 each in a case.	
Extol	19	2⅜ to 2⅝-inch Double Iron Fore Plane	1 40
		Packed 24 in a case.	
Extra	25	2½ to 2¾-inch Double Iron Jointer Plane, 26 inch	1 50
		Packed 20 in a case.	

HAND SCREWS.



Cable	Invoice No.	Diameter of Screws	Length of Screws	Length of Jaws	Size of Jaws	Per Dozen
Exude	216¼	1¼ in.	26 in.	24 in.	2⅝ x 2⅝ in.	$8 50
Exult	216½	1¼	24	22	2⅝ x 2⅝	7 50
Ichor	217	1¼	24	20	2⅝ x 2⅝	6 50
Icily	218	1¼	20	18	2½ x 2½	5 50
Icing	219	1	18	16	2¼ x 2¼	4 75
Ictic	221	⅞	16	14	2 x 2	4 00
Ictus	222	¾	14	12	1⅞ x 1⅞	3 75
Ideal	223	¾	12	10	1¾ x 1¾	3 00
Idiom	224	⅝	10	8	1⅝ x 1⅝	2 50
Idler	224½	½	8	6	1¼ x 1¼	2 00

Hand Screws, ½, ⅝, and ¾ inch, packed two dozen in a case; all other sizes one dozen in a case.

BENCH SCREWS.

Packed two doz. in a case.

Made of thoroughly seasoned White Sugar Maple.

Cable	Invoice No.	List	Per Doz.
Ileus	209	V Thread, 2 x 24 inches	$4 00
Iliad	209½	V " 2¼ x 24 "	4 50
Image	210	V " 2½ x 24 "	4 50

FOR EXPORT BY

THE SEEGER & GUERNSEY CO., NEW YORK.

THE ANSONIA BRASS & COPPER CO.

MANUFACTURERS OF

Brass AND Copper Seamless Tubes,

SHEETS, RODS AND WIRE.

INGOT COPPER.

Sole Manufacturers

TOBIN BRONZE

Condenser Plates, Pump Linings, Wire, Round, Square and Hexagon Bars, for Pump Piston Rods and Bolt Forgings.

19 & 21 Cliff St., N. Y. 133 & 135 Wabash Ave., Chicago, Ill.

THE ANSONIA CLOCK CO., NEW YORK.

CHICAGO,
133 & 135 Wabash Ave.

LONDON,
23 Fore St., E. C.

THE

ANSONIA CLOCK COMPANY,

11 CLIFF STREET,

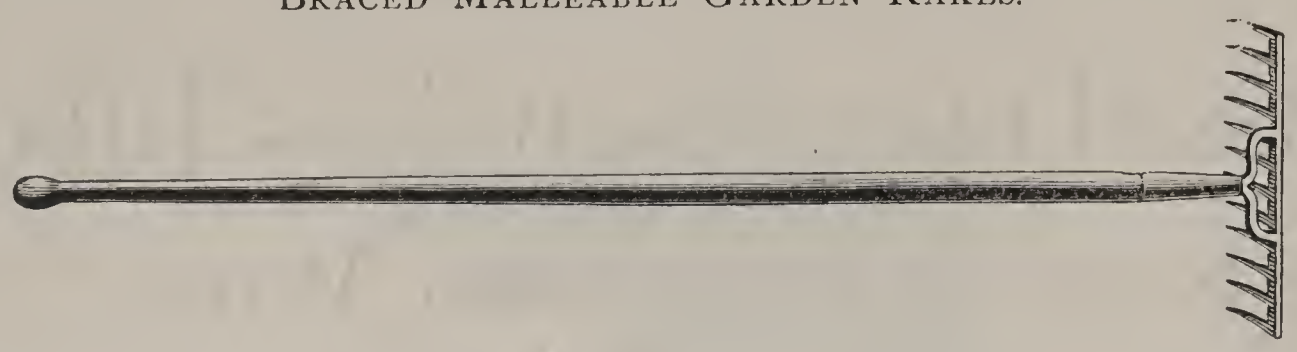
P. O. BOX 2304.

NEW YORK.

Cable Address "ANSONIA."

The Piqua Handle and M'f'g Co., Piqua, O.

Braced Malleable Garden Rakes.



10 Teeth	per doz.	$5 50	14 Teeth	per doz.	$6 50
12 "	"	6 00	16 "	"	7 00

Hay Fork Handles.

		XX's	X's	NO. 1's
4 Feet Hay Fork Handles	per doz.	$1 90	$1 30	$ 95
4½ Feet Hay Fork Handles	"	2 05	1 40	1 05
5 Feet Hay Fork Handles	"	2 20	1 50	1 15
5½ Feet Hay Fork Handles	"	2 35	1 65	1 25
6 Feet Hay Fork Handles	"	2 55	1 85	1 40
6½ Feet Hay Fork Handles	"	3 00	2 20	1 65
7 Feet Hay Fork Handles	"	3 50	2 50	1 95
8 Feet Hay Fork Handles	"	4 50	3 25	2 40
Bent Hay Fork Handles, extra	"	40	40	40
Hay Fork Handles with Ferrules, extra	"	1 00	1 00	1 00

Hoe Handles.

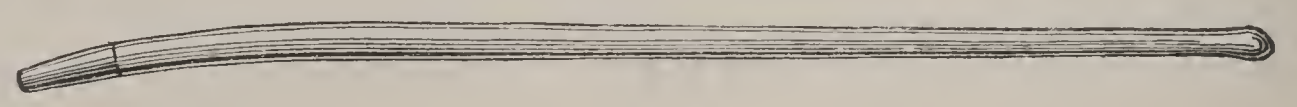
		XX's	X's	NO. 1's
Farmers' Hoe Handles	per doz.	$1 50	$1 10	$ 85
Socket Hoe Handles	"	1 50	1 10	85
4½ and 5 feet Planters' Hoe Handles, under 1¾ in. at butt	per doz.		2 00	1 75
4½ and 5 feet Planters' Hoe Handles, 1¾ to 2 in. at butt	"		2 25	2 00
4½ and 5 feet Planters' Hoe Handles, 2½ in. at butt	"		2 50	2 25
4½ and 5 feet Planters' Hoe Handles, 2¼ in. at butt	"		2 75	2 50
4½ and 5 feet Planters' Hoe Handles, 2⅜ in. at butt	"		3 00	2 75
4½ and 5 feet Planters' Hoe Handles, 2½ in. at butt	"		3 25	3 00

5½ Feet Planters' Hoe Handles, 10 per cent. advance.
6 Feet Planters' Hoe Handles, 20 per cent. advance.

Rake Handles.

		XX's	X's	NO. 1's.
5 Feet Garden Rake Handles	per doz.	$1 90	$1 30	$ 95
5½ Feet Garden Rake Handles	"	2 05	1 40	1 05
6 Feet Garden Rake Handles	"	2 20	1 50	1 15

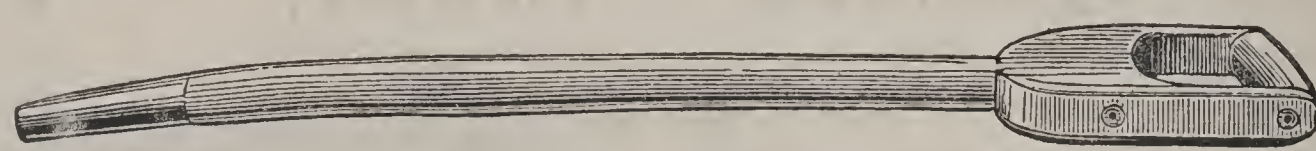
Long Bent Handles.



		XX's	X's	NO. 1's
4 Feet Long Bent Manure Fork Handles	per doz.	$3 40	$1 75	$1 30
4½ Feet Long Bent Manure Fork Handles	"	2 75	2 00	1 50
5 Feet Long Bent Manure Fork Handles	"	3 10	2 30	1 75
Manure Fork Handles with Ferrules, extra	"	1 00	1 00	1 00
Long Bent Spading Fork Handles	"	2 75	2 00	1 50
Long Bent Shovel Handles	"	3 50	2 50	2 00
Long Bent Spade Handles	"	3 50	....	2 00

☞ *Handles with Strap Ferrules attached.*

"D" Handles.



		X's	NO. 1's
D-Bent and Riveted Manure Fork Handles	per doz.	$3 00	$2 50
D-Bent and Riveted Spading Fork Handles	"	3 00	2 50
D-Bent and Riveted Shovel Handles	"	3 35	2 75
D-Bent and Riveted Spade Handles	"	3 35	2 75
D-Bent and Riveted Scoop Handles	"	3 50	2 90
D-Bent and Riveted Ditching Spade Handles	"	4 00	3 00
Malleable Iron Top D Handles, same price as above in xx and x only.			
Coke and Coal Fork Handles	"	3 00	2 50

Ferrules, Etc.

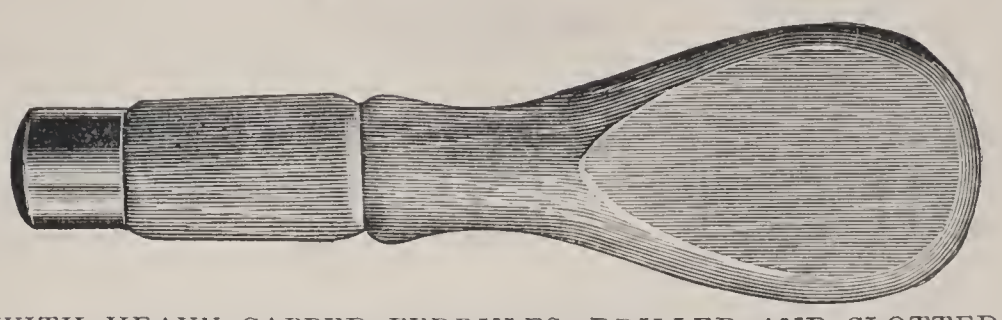
		NO. 1's
Handles with Ferrules, extra	per doz.	$1 00
Malleable D-Tops, Fitted for Fork and Shovel Handles	"	2 00

DISCOUNTS FURNISHED ON APPLICATION.

For Export by THE SEEGER & GUERNSEY CO., New York.

The Piqua Handle & M'f'g Co., Piqua, O.

Screw Driver Handles.

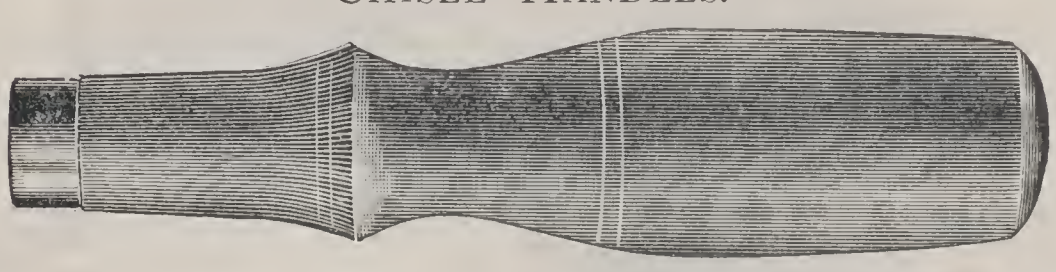


WITH HEAVY CAPPED FERRULES, DRILLED AND SLOTTED.

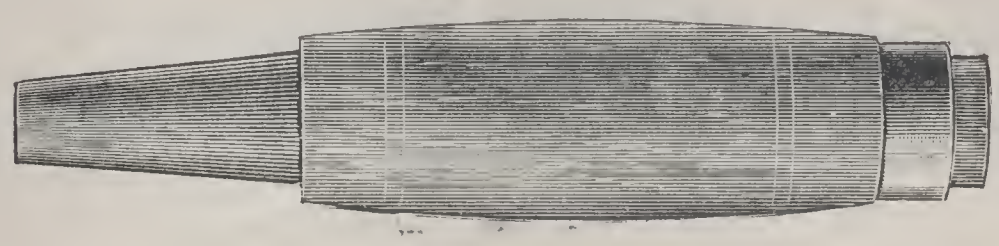
No.		PER DOZEN.
520	Cherry, Assorted, sizes 4 to 10 in	$0 66
521	Beech, "	
522	Maple "	

In one dozen boxes.

Chisel Handles.



No.		PER GROSS.
500	Hickory Firmer Chisel Handles, Brass Ferrules, assorted	$3 96
501	" " " " " " " large	4 40
504	" Socket Firmer Chisel Handles, assorted	
506	" " " " " " large	

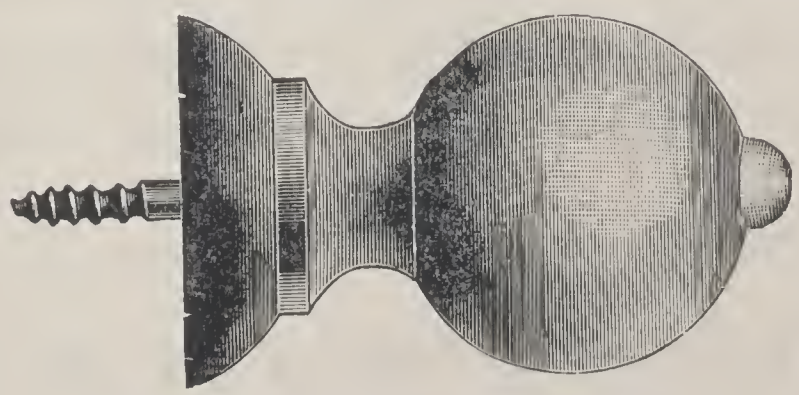


No.		PER GROSS.
509	Hickory Socket Framing Chisel Handles, Patent Iron Ferrules, assorted	$3 85
510	Same, assorted, large	4 18

File Handles.

No.		PER GROSS.
511	Soft Woods, assorted three sizes	$2 09
512	" " " two large sizes	2 31
	All above packed in one dozen boxes.	
523	Auger Handles, assorted sizes	5 28
524	" " " " large	6 60
525	Tinners' Mallets, 5½ in. long, 2 to 2½ in. diameter	14 02
526	Sheet Iron Mallets, 6 in. long, 2½ to 2¾ in. diameter	22 00
527	Round Mallets, 5 x 3 in	22 00
528	" " 5½ x 3½ in	26 95
529	" " 6 x 4 in	36 30

Door Stops.



RUBBER TIPPED, IRON SCREWS.

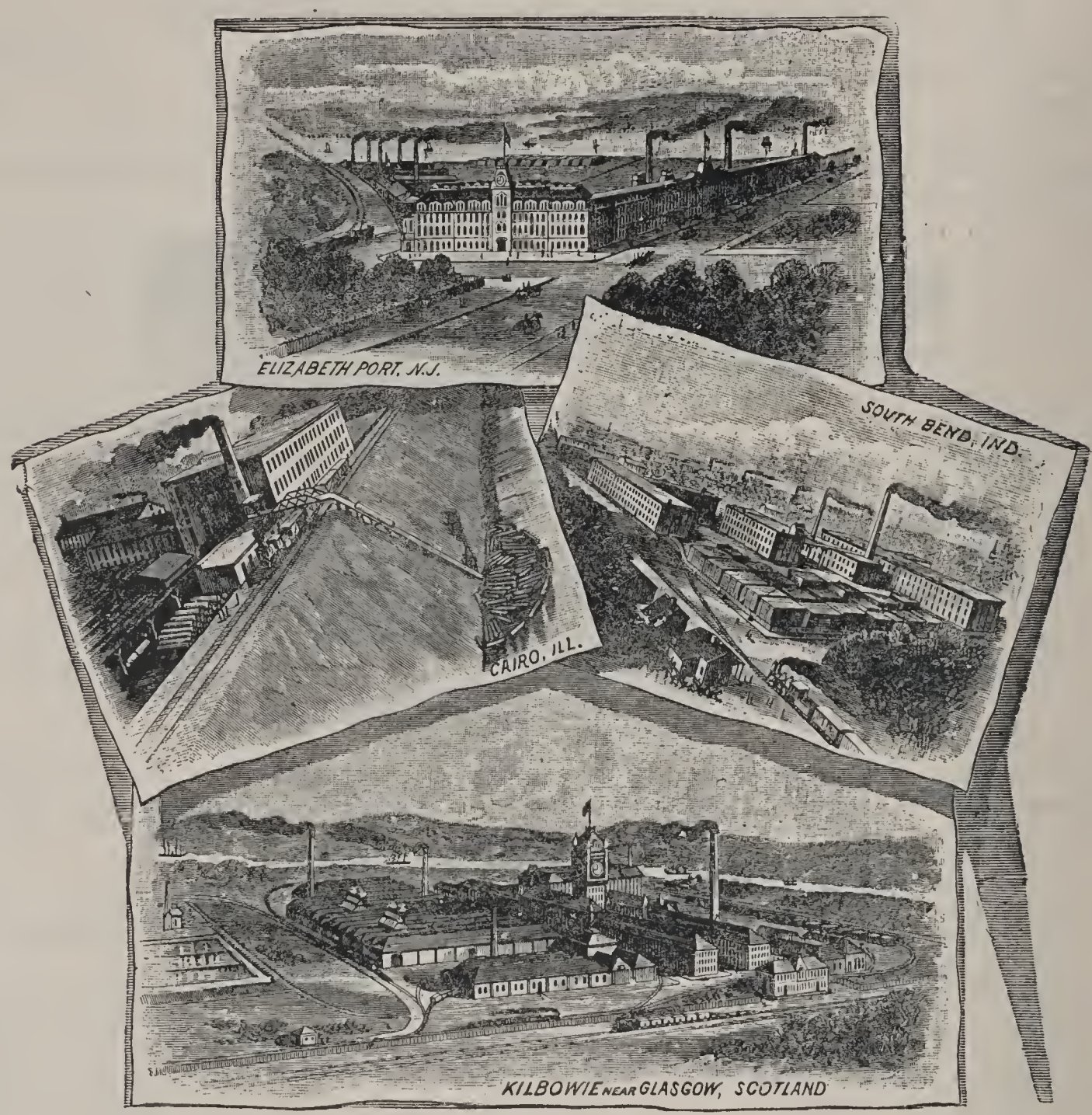
No.		PER GROSS. 2½ IN.	3 IN
513	Ash	$3 08	$3 30
514	Cherry	3 52	3 74
515	Walnut	3 63	3 85

Packed in one-fourth gross boxes. If in bulk (in bbl. lots) 10 cents per gross less.

For Export by THE SEEGER & GUERNSEY CO., New York.

Factories of

The Singer Manfg. Company.



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Bridgeport,	Denver,	Lynn,	New York,	Quebec,	St. Paul,
Boston,	Detroit,	Louisville,	New Haven,	Quincy,	St. Joseph,
Buffalo,	Gloversville,	Montreal,	Newark,	Richmond,	Troy,
Chicago,	Harrisburg,	Milwaukee,	Omaha,	Rochester,	Toronto,
		Utica,	Washington,		

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FOR EXPORT BY THE

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NEW YORK.

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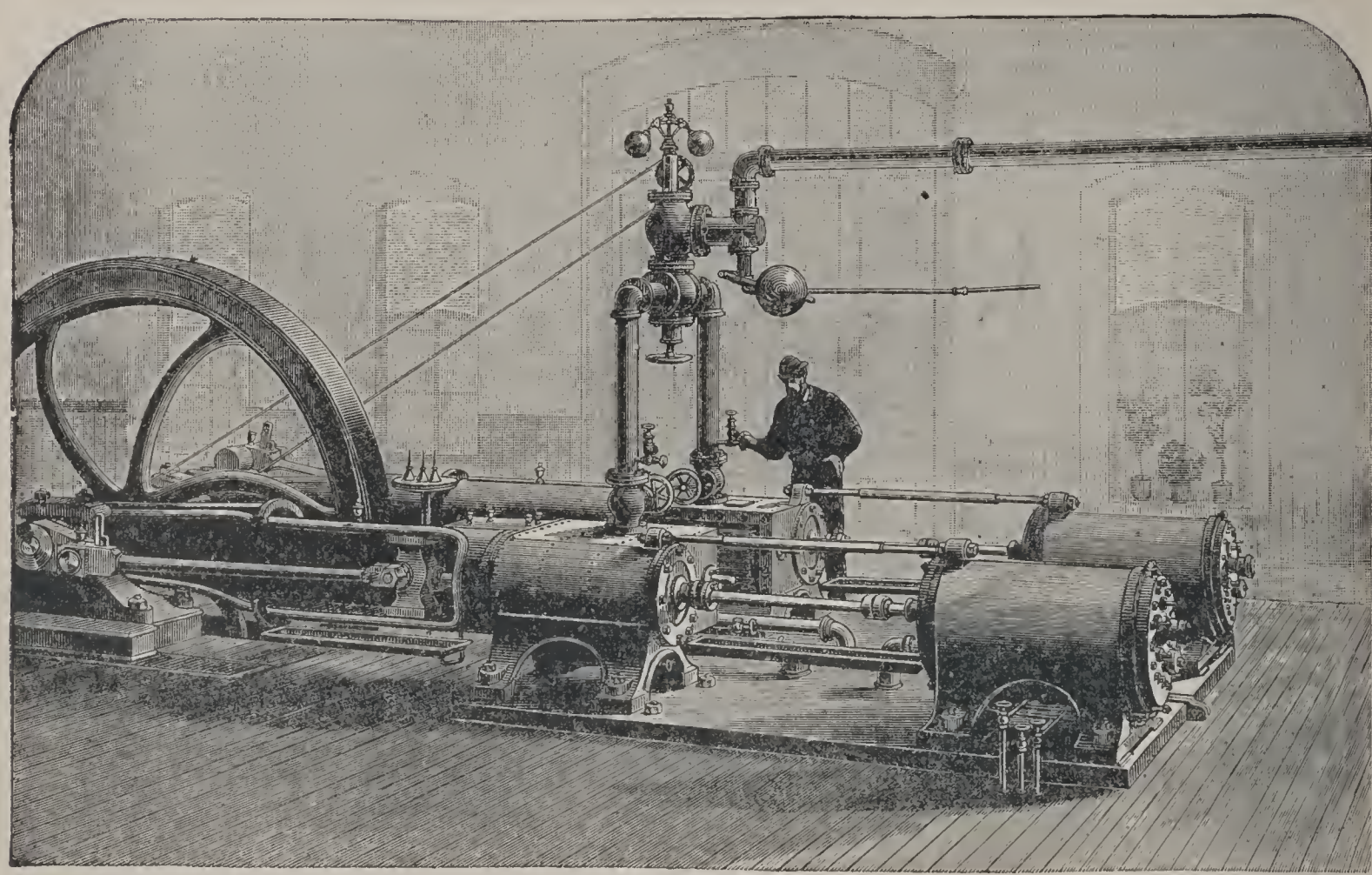
AND DOING ALL MECHANICAL PERFORATION IN

Mines, Quarries, Railroads, etc.



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With Compound Steam and Compound Air Cylinders.

CORLISS OR MEYER STEAM VALVES.

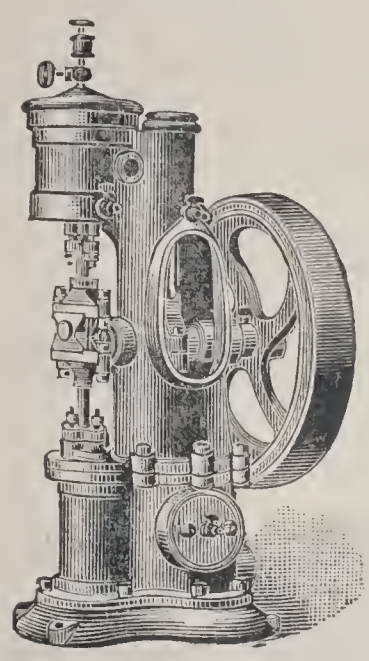
COMPLETE EQUIPMENTS OF

ROCK DRILLS, AIR COMPRESSORS, BOILERS, PIPE, AIR RECEIVERS, HOSE, STEEL, ENGINES, ETC.

VALLEY PUMP CO., EASTHAMPTON, MASS.

ACME PUMPS.

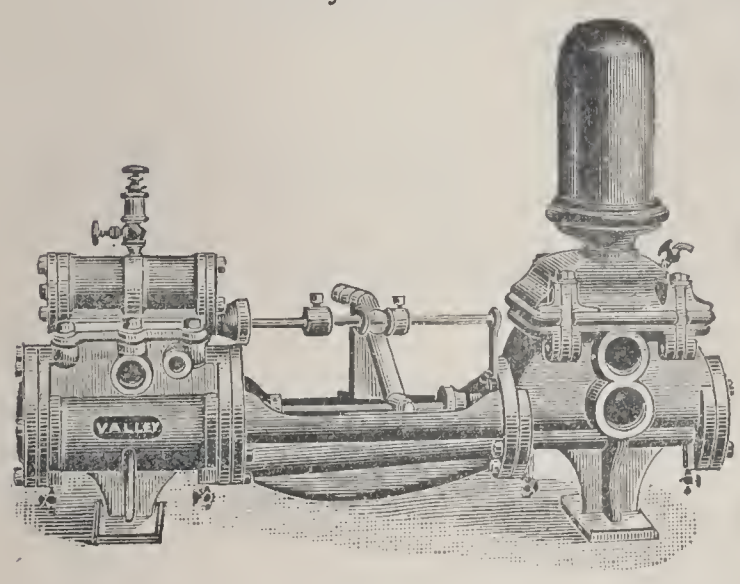
For Feeding Boilers or Forcing Water Against Heavy Pressure.



Number.	Diam of Steam Cyl	Diam. of Water Cyl.	Revolutions per minute for heavy pressure and continuous work.		Size of Steam Pipe	Size of Exh'st Pipe	Size of Suc'n Pipe.	Size of Dis. Pipe.
0	3	1⅝	100 Rev.	Run with safety three times this speed in an emergency	⅜	½	1	¾
1	4	2⅛	90 "		⅜	½	1	¾
2	5	2½	85 "		½	¾	1¼	1
3	6	3	80 "		½	¾	1½	1
4	7	3½	75 "		¾	1	2	1½
5	8½	4¼	70 "		1	1¼	3	2

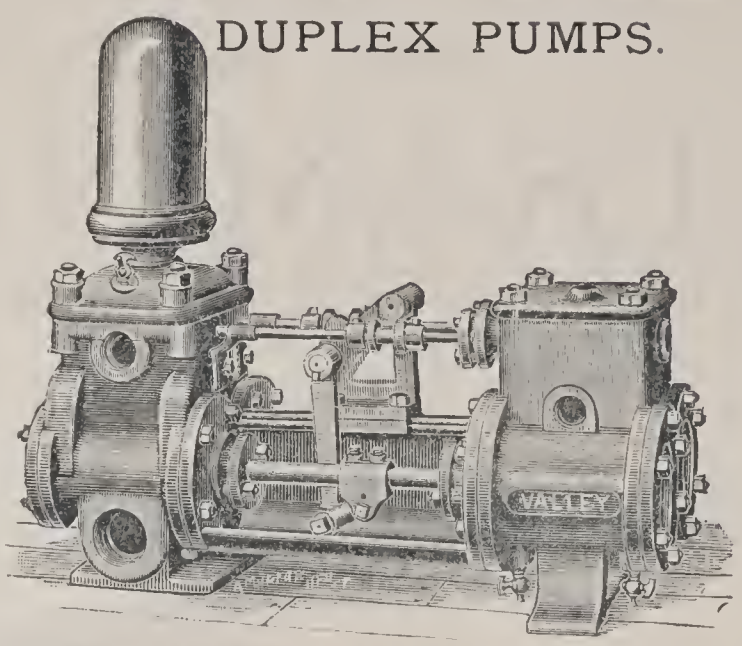
VALLEY PUMPS.

For Feeding Boilers and Forcing Water Against Heavy Pressure.



Number.	Diam. of Steam Cyl.	Diam. of Water Cyl.	Length of Stroke.	Strokes per minute for heavy pressure and continuous work.		Size of Steam Pipe	Size of Exh'st Pipe	Size of Suction.	Size of Discharge.
0	3	1¾	4	100 Str.	Run with safety 3 times this speed in an emergency.	½	¾	1	¾
1	3¼	2	4	100 "		½	¾	1	¾
1½	3½	2¼	5	90 "		½	¾	1¼	1
2	4	2½	5	90 "		½	¾	1¼	1
3	5¼	3½	6	85 "		¾	1	2	1½
4	5¾	3¾	8	80 "		¾	1	2½	2
4½	6	4	8	80 "		¾	1	2½	2
5	7	4½	10	75 "		1	1½	3	2¼
7	10	6	12	60 "		1½	2	4	3
9	14	8	12	60 "		2	2½	5	3½

DUPLEX PUMPS.



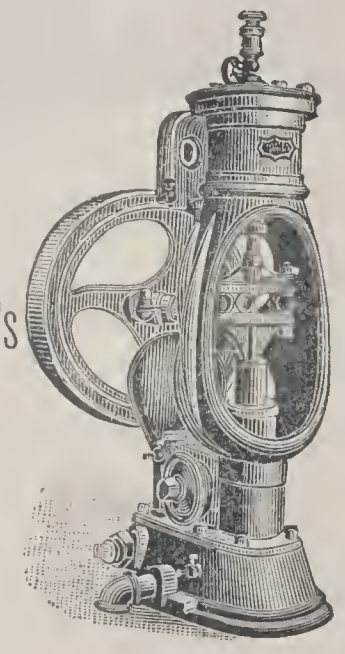
Diam. of Steam Cyl	Diameter of Plunger.	Length of Stroke.	Strokes per minute each pump, for heavy pressure and continuous work.		Size of Steam Pipe	Size of Exh'st Pipe	Size of Suc'n Pipe.	Size of Dis. Pipe
3	2	3	100 Str.	Run with safety three times this speed in an emergency.	⅜	½	1	¾
4½	2¾	4	90 "		½	¾	1½	1
5¼	3½	5	85 "		¾	1¼	2½	1½
6	4	6	80 "		1	1½	2½	2
7½	4½	10	75 "		1½	2	4	3
9	5½	10	75 "		2	2½	4	3
10	6	10	75 "		2	2½	5	4
12	7	12	75 "		2½	3	6	5
14	7	12	75 "		2½	3	6	5

BUCKET-PLUNGER PUMPS.

For Feeding Boilers and Forcing Water Against Heavy Pressure.

Allow 7½ gallons per hour to feed each horse power of boiler.

Wm. Wright's



Patent.

Number.	Diam. of Steam Cyl.	Diam. of Water Plun	Revolutions per minute for heavy pressure and continuous work.		Size of Steam Pipe	Size of Exh'st Pipe	Size of Suction.	Size of Discharge.
0	4	2¼	100 Rev.	Run with safety three times this speed in an emergency.	⅜	½	1	¾
1	5	2¾	90 "		½	¾	1¼	1
2	5¾	3½	85 "		½	¾	1½	1¼
3	7	4¼	80 "		¾	1	2	1½
4	8	5¼	75 "		1	1¼	3	2
5	10	6½	70 "		1	1¼	3½	2½
6	10	7	60 "		1¼	1½	4	2½
7	12	8	50 "		2	2½	5	3½
9	14	10	50 "		2½	3	6	5

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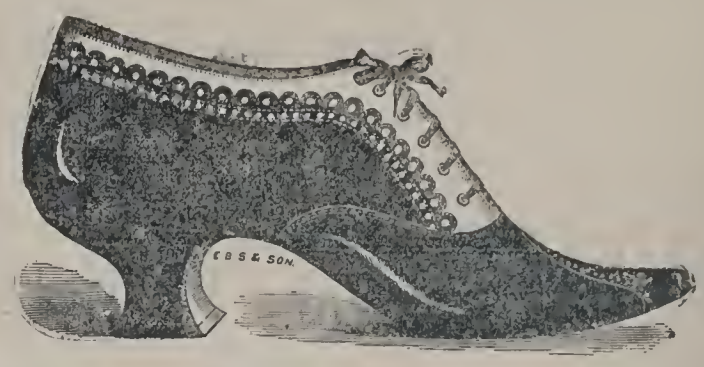
Hand, Foot and Power Toe-Cap Presses.



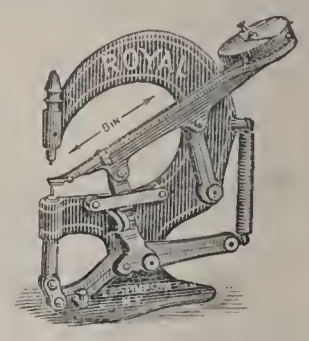
Send for List No. 27.

No. 2. Hand Toe-Cap Press.

DESIGN FOR TOE-CAP DIE.

This Hand Toe-Cap Press can be worked by small boy or girl. All holes are punched at one operation. The dies are interchangeable and are very easily taken in and out.

EYELETING MACHINE.



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PATENT COMBINATION

PERFORATING AND PINKING MACHINES,

FOR ORNAMENTING SHOES AND GAITERS.

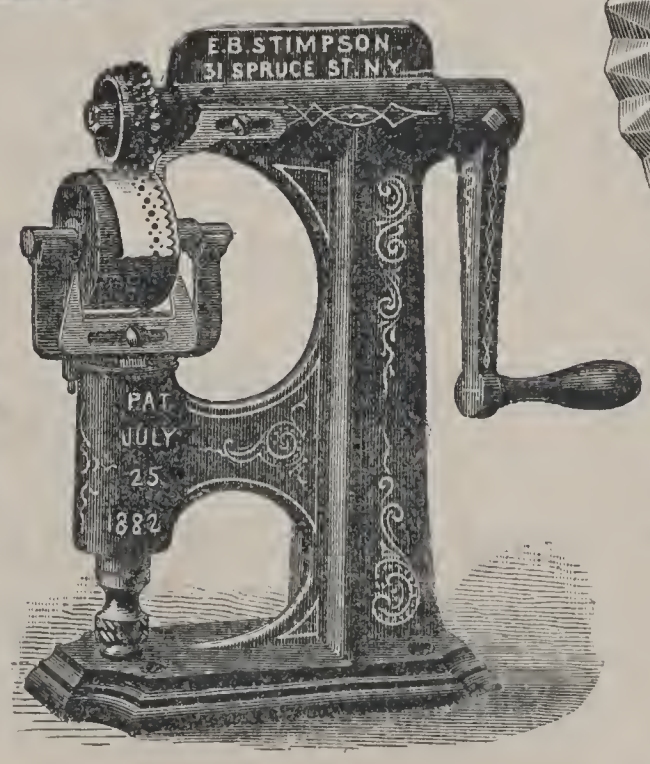
RUBBER ROLLERS

for Perforating & Pinking Machine. (Half size.)

Put up one dozen in a Box.

(Full Size.)
PINKING CUTTER.

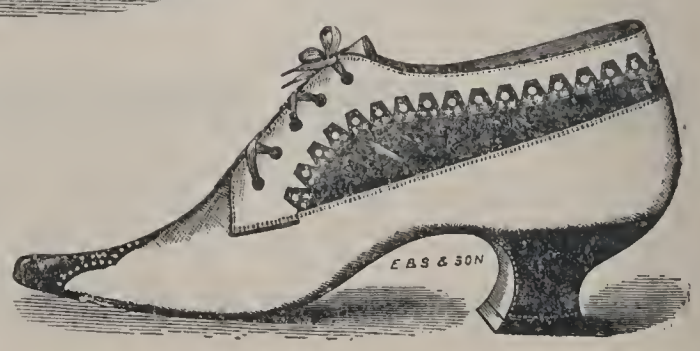
(Full Size.)
PERFORATING WHEEL,
To fit our Patent Pinking Machine



This Machine is built expressly for ornamenting Shoes, and is used by all manufacturers where an ornamentation is required.

It is worked by hand and is very easy to operate. The Pinking or Perforating Cutters and Wheels can be used separately or together.

Send for List No. 24.



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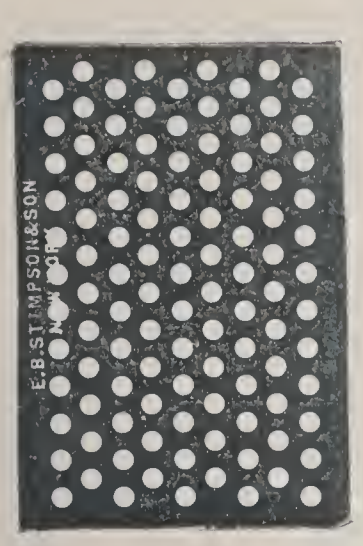
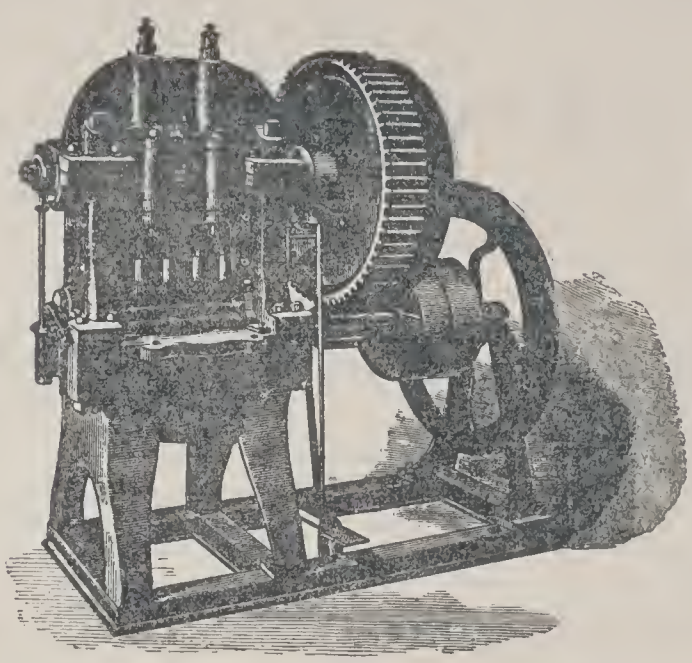
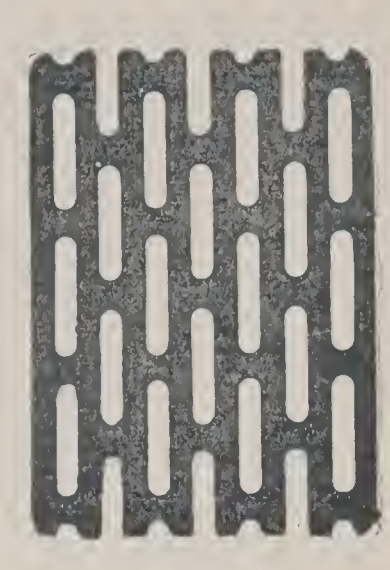
BUILDERS OF MACHINERY FOR







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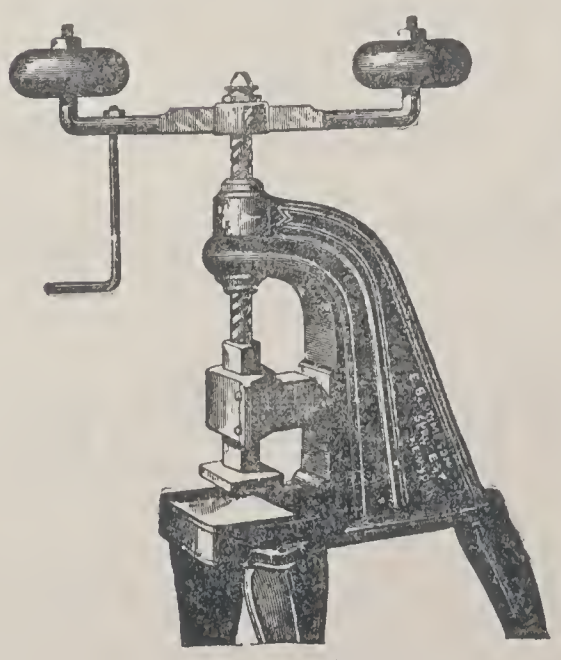
With Automatic Clutch.

Foot Presses

FOR PERFORATING

SHEET METAL.



No. 4. SCREW PRESS.

Power Presses

FOR PERFORATING

SHEET METAL.

SEND FOR CATALOGUE "K."

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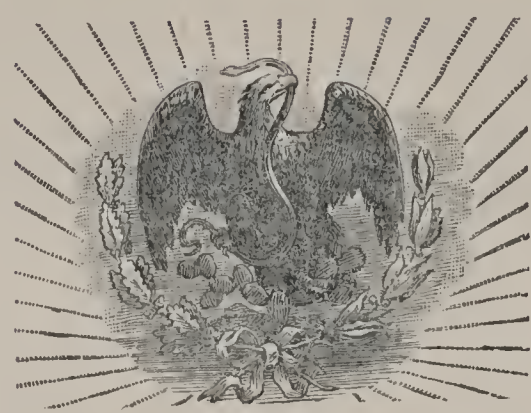

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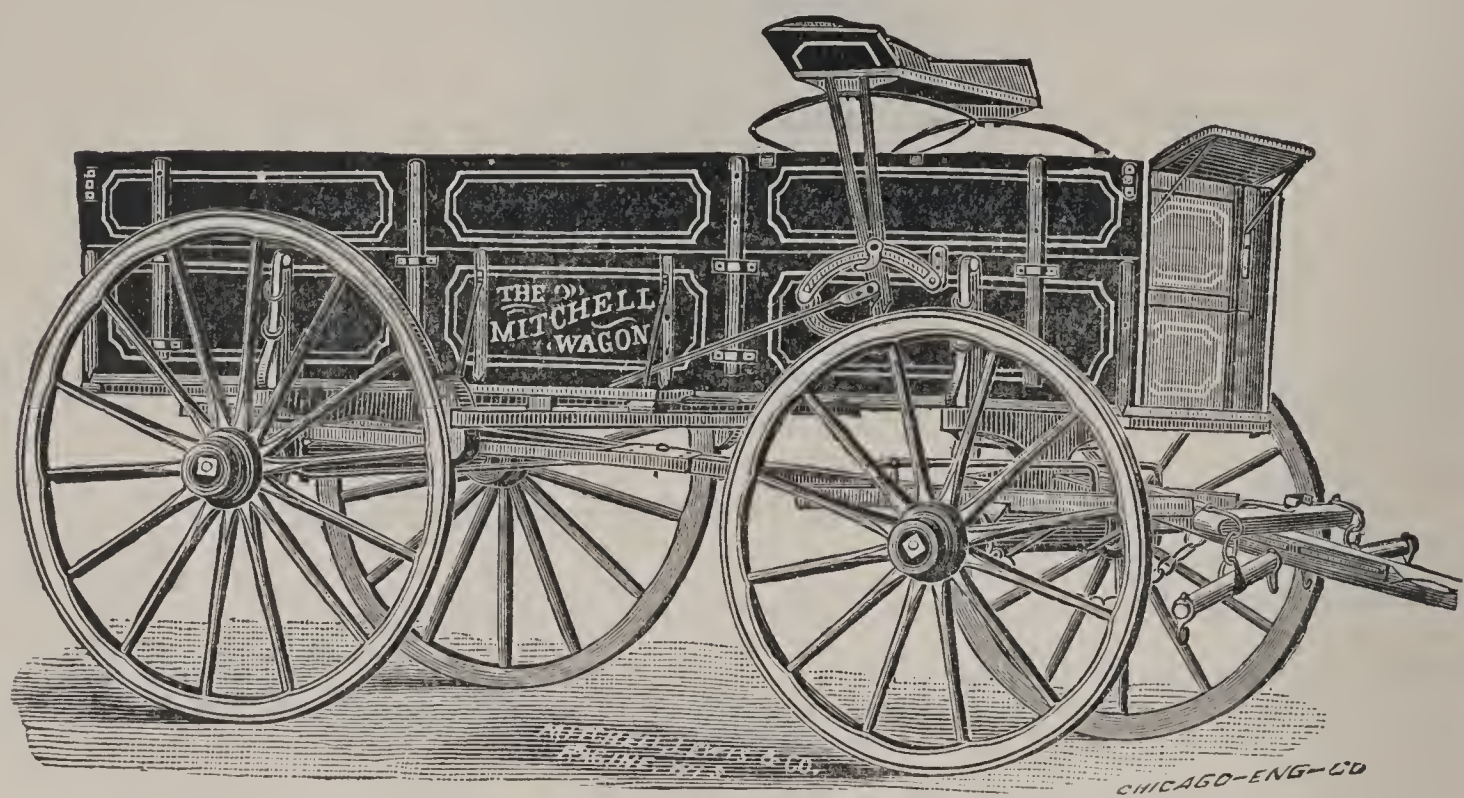
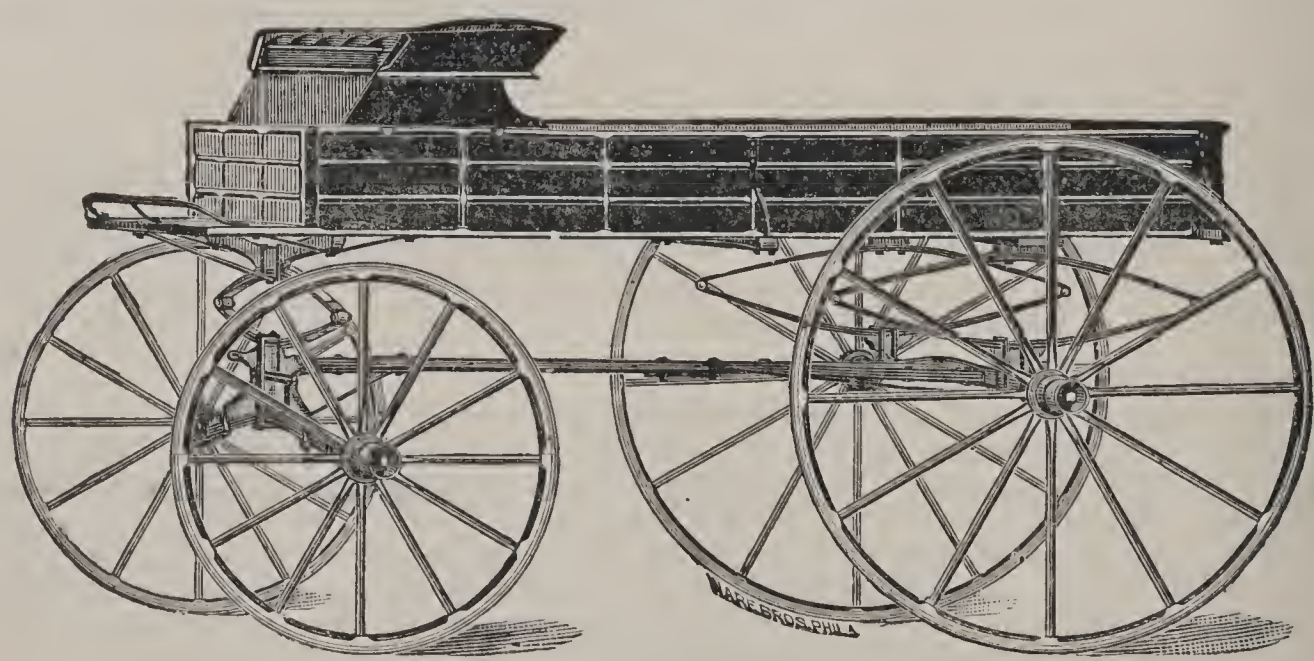
The Celebrated Mitchell Wagon.

SUITABLE FOR ANY CLIMATE. MADE OF THE BEST MATERIAL.



Cable	Size of Skein.	Size of Tire.	Height of Wheels.		Dimensions of Beds.					Capacity.	Weight.	Price.	
					Length	Width.		Height.				Running Gear Only.	With Double Box.*
			Front	Hind.		Nar. Tr.	Wide Tr.	Lower Side.	Top Side.				
			ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	inches.	inches.	lbs	lbs.		
Evict,,	2½ x 8	1¼ x ⅜	3 8	4 2	10 7	3 2	3 6	11	6	900	800	$57 00	$78 25
Evoke,	2¾ x 8½	1⅜ x ½	3 8	4 4	10 7	3 2	3 6	11½	7	1,500	925	59 00	81 75
Exact,	3 x 9	1½ x ½	3 8	4 6	10 7	3 2	3 6	13	7½	2,200	1,000	60 00	84 00
Exalt,	3¼ x 10	1½ x 9-16	3 8	4 6	10 7	3 2	3 6	14	10	3,500	1,100	61 00	86 00
Excel,	3½ x 11	1⅝ x 9-16	3 8	4 6	10 7	3 2	3 6	14	10	4,000	1,150	63 00	88 00
Excur,	3¾ x 12	1¾ x ¾	3 8	4 6	11 0	3 2	3 6	14	10	5,000	1,250	71 00	96 00
Exeat,	4 x 12	2 x ¾	3 8	4 6	11 0	3 2	3 6	14	12	7,500	1,400	77 50	103 00

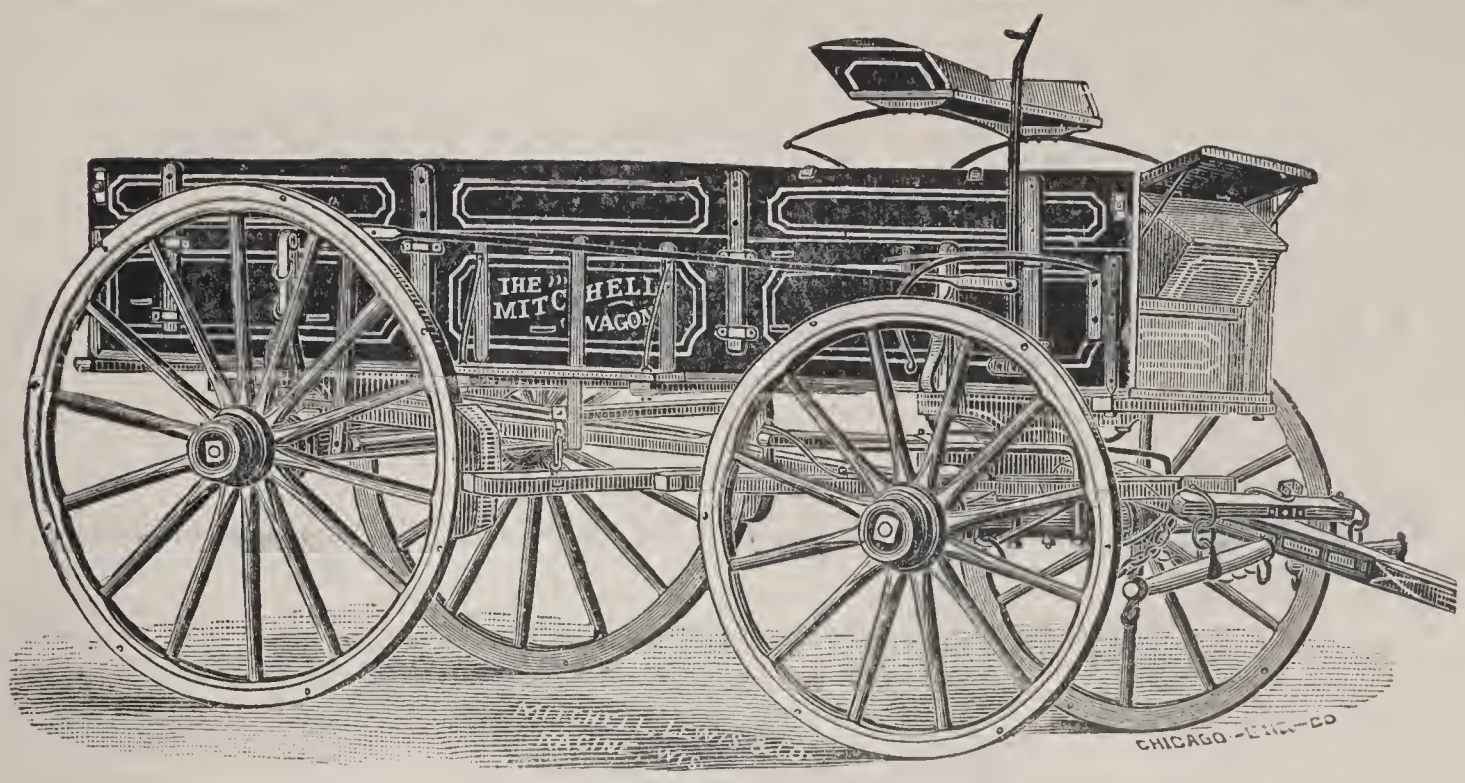
* With Brake and Spring Seat.



Express and Delivery Wagon with Top.

Cable: *Exert.* No. 35½. 1⅛ inch Axles. Capacity, 1,000 lbs. Body, 7 ft. x 3 ft. 2 in., inside, . . $190 00
Cable: *Exile.* No. 36½. 1¼ inch Axles. Capacity, 1,400 lbs. Body, 7 ft. x 3 ft. 2 in , inside, . . 200 00
Cable: *Exist.* No. 37½. 1⅜ inch Axles. Capacity, 1,800 lbs. Body, 7 ft. 6 x 3 ft. 4 in , inside,. . 240 00

The above cut represents our *best grade* of Express or Delivery Wagon, made *especially* to stand hard usage on city pavements, and is used in all the principal cities of the United States. The tops are made to take apart for shipment. Covered with white duck, or black enamel duck or rubber. Always specify in your order which is wanted.



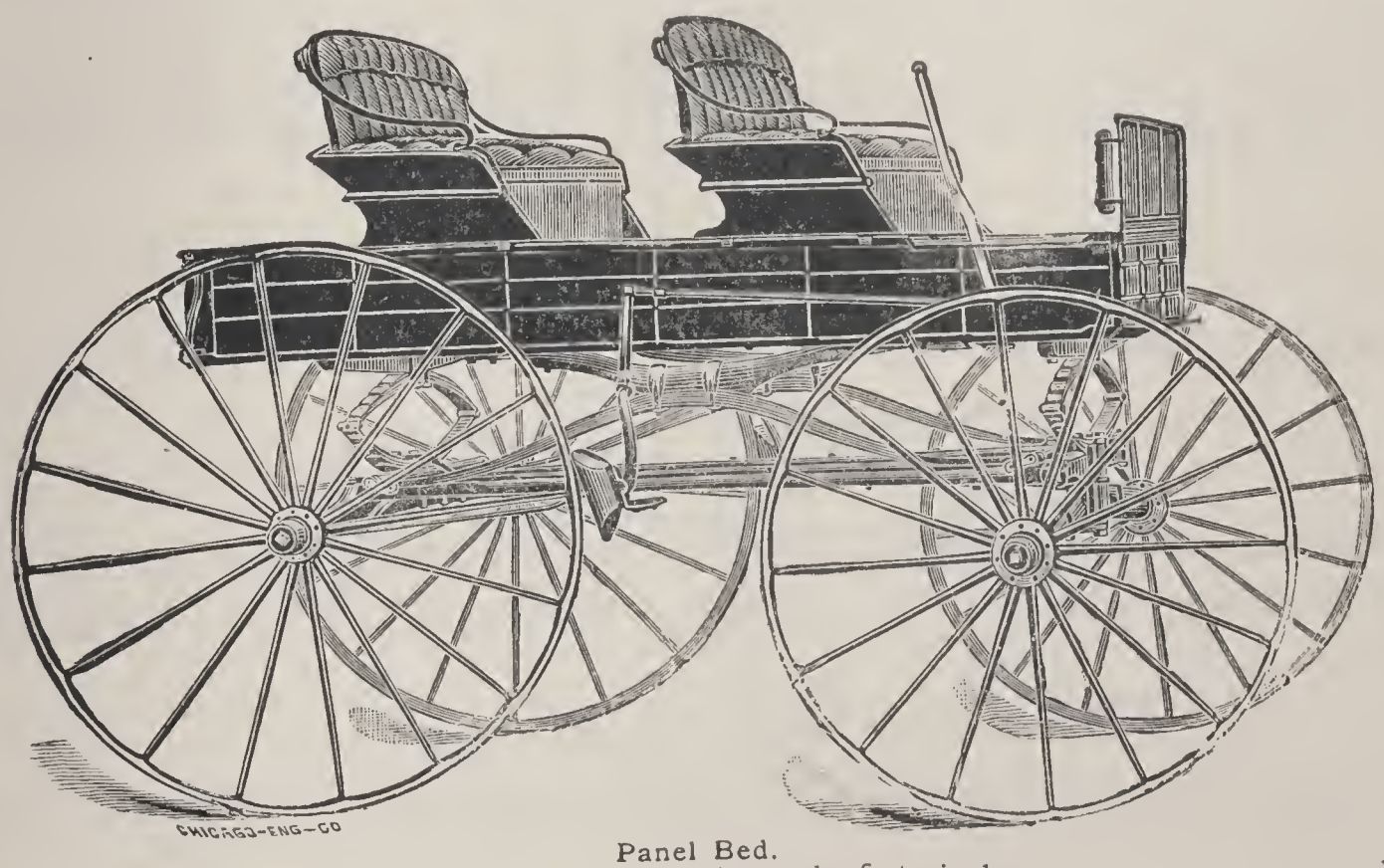
STEEL SKEIN, CLIPPED GEAR WAGONS.

Prices Include Whiffletrees, Evener, Neck Yoke and Stay Chain. (No Seat or Brake.)

Cable	Size of Skein	Size of Tire	Height of Wheels		Dimensions of Beds					Prices		
					Length	Width		Height		Running Gear Only	With Single Box	With Double Box
			Front	Hind		Nar. Tr.	Wide Tr.	Lower Side	Top Side			
			ft. in.	ft. in.	ft. in.	ft. in.	ft in.	inches.	inches.			
Etern	2½ x 8	1¼ x 7-16	3 8	4 2	9 6	3 2	3 6	10	5	$66 00	$76 00	$79 25
Ethal	2¾ x 8½	1⅜ x ½	3 8	4 4	10 7	3 2	3 6	11½	7	68 00	79 00	82 75
Ether	3 x 9	1½ x 9-16 x 5/6	3 8	4 6	10 7	3 2	3 6	13	7½	73 00	85 00	89 00
Ethic	3¼ x 10	1⅝ x ⅝ x ¾	3 8	4 6	10 7	3 2	3 6	14	10	77 00	89 50	94 00
Ethyl	3½ x 11	1¾ x ¾ x ⅞	3 8	4 6	10 7	3 2	3 6	14	10	81 00	93 50	98 00
Eurus	3¾ x 12	2 x ⅞ x 1	3 8	4 6	11 0	3 2	3 6	14	10	87 00	99 50	104 00
Evade	4 x 12	2¼ x ⅞ x 1	3 8	4 6	11 0	3 2	3 6	14	12	98 00	110 50	115 50

EXTRAS, NOT INCLUDED IN THE ABOVE.

Spring Seat, Two-Leaf Springs,	$4 00	California Brake, for 3½ in. wagons,	$16 00
Spring Seat, Three-Leaf Springs,	5 00	California Brake, for 3¾ in. wagons,	18 00
California Brake, for 2½ and 2¾ in. wagons,	12 00	California Brake, for 4 in. wagons,	20 00
California Brake, for 3 in. wagons,	14 00	Feed Box,	2 00
California Brake, for 3¼ in. wagons,	15 00	Bows, per set of 5 including slats, staples and rivets,	2 00



Panel Bed.

Patent Wheels, 3 feet 8 inches and 4 feet 2 inches. Price.

Cable: *Event* No. 40½. 1⅛ inch Axles. Beds, 7 feet long, 3 feet 2 inches wide, ... $185 00

Cable: *Every* No. 12½. 1¼ inch Axles. Beds, 7 feet long, 3 feet 2 inches wide, ... 195 00

Pole. Full Elliptic Springs front and back. Long Side Springs.

MANUFACTURERS OF

LOCKS, KNOBS, CATCHES,

Drawer Handles and Pulls, Escutcheons,

Sash Fasteners, Latches,

AND EVERY DESCRIPTION OF

Metal Door Furnishings, Bell Pulls, etc.

DESCRIPTION OF FINISHES

OF

PLAIN AND ORNAMENTAL IRON HARDWARE.

ARCADIAN BRONZED.

Bronzed with Bronzing Liquid on the Natural or Unpolished Casting.

BYZANTIAN BRONZED.

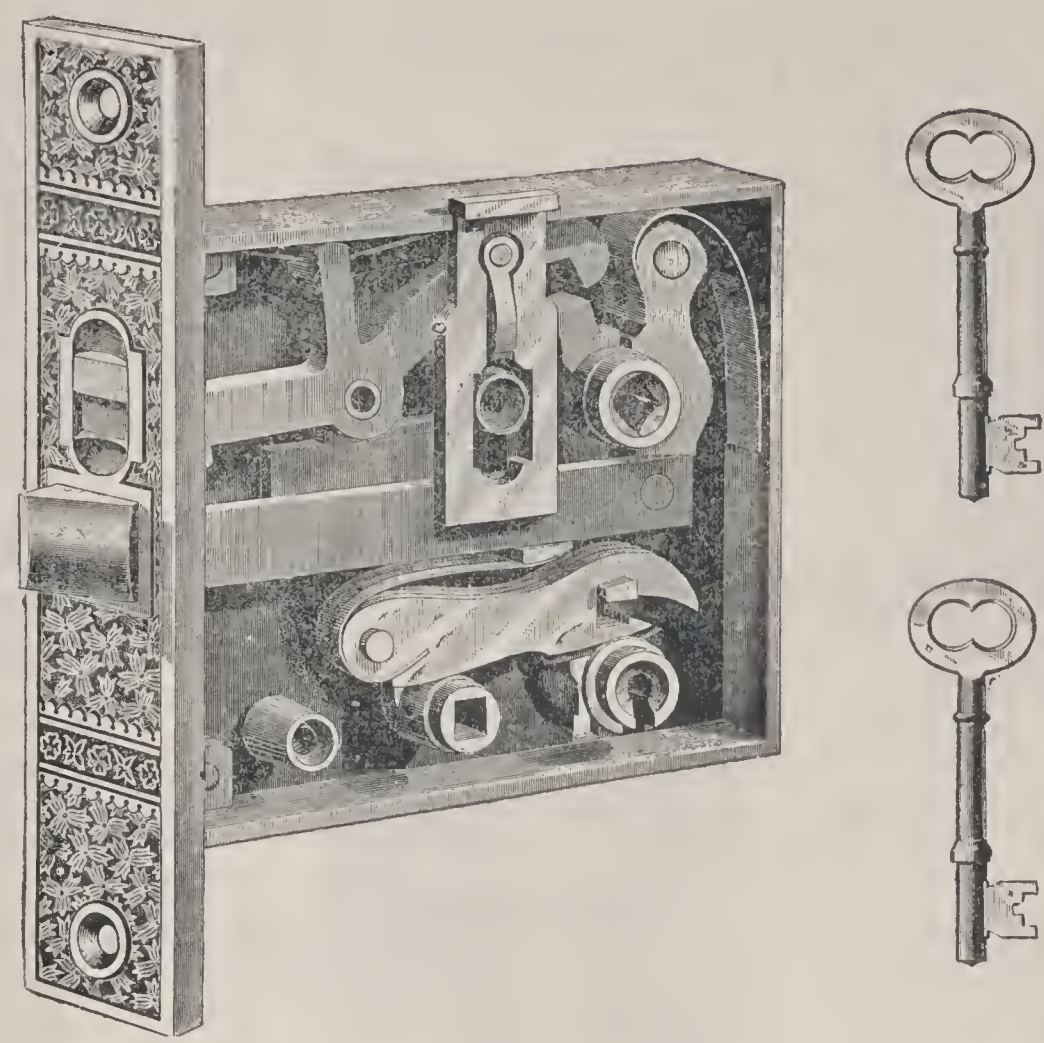
Bronzed with Bronzing Liquid on Castings having GROUND OR POLISHED SURFACES, which gives a pleasing contrast with the Background.

BRANFORD BRONZED.

Copper Plated Surfaces and Black Background.

IRON BRONZED.

BRONZE PLATED Surface and Background, in imitation of our NO. 1 FINISH Bronze Metal.



Nos. 5601, 5602.

BRONZE METAL FRONT, PLAIN SPINDLE,

REVERSIBLE

Vestibule Lever Mortise Night Latches

WITH NIGHT WORK AND STOP.

IVY DESIGN.

Size, 4⅛ × 4 Inches.

WROUGHT IRON INSIDE WORK.

No.	DESCRIPTION.
5601	Bronze Metal Front, Bolt and Strike, ONE WROUGHT Tumbler, Nickel-Plated Brass Keys.
5602	Same as No. 5601, but with THREE WROUGHT Tumblers, 36 Changes.

Packed one in a paper box, with Bronze Metal Thumb Knobs.

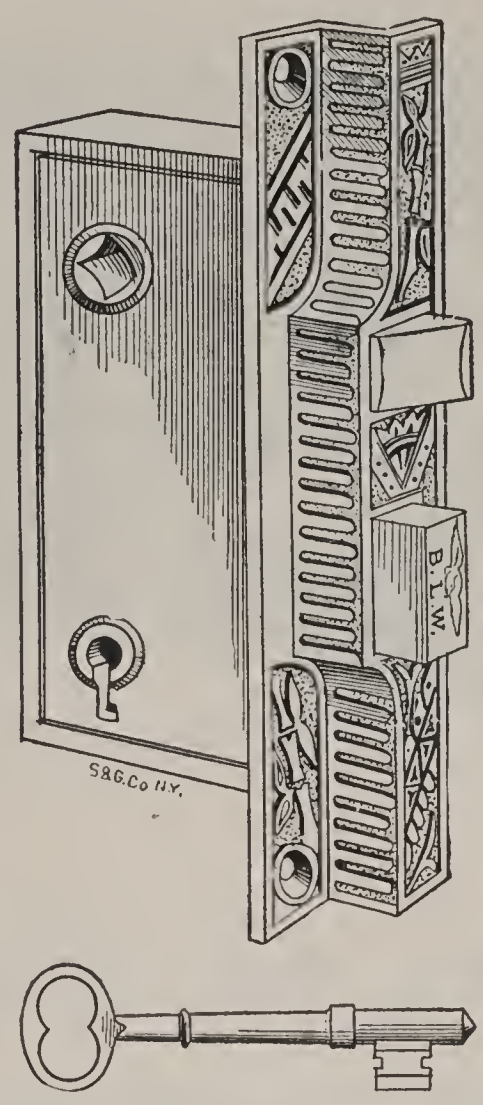
The above Latches are made with five-sixteenths inch Hub for Plain Spindles.

MORTISE KNOB LOCKS,

FOR

French Windows OR Narrow Stile Sash Doors.

ORIENTAL DESIGN.



RABBETED FRONT.

Size, 3¾ × 1⅝ inches.

No. 01710.

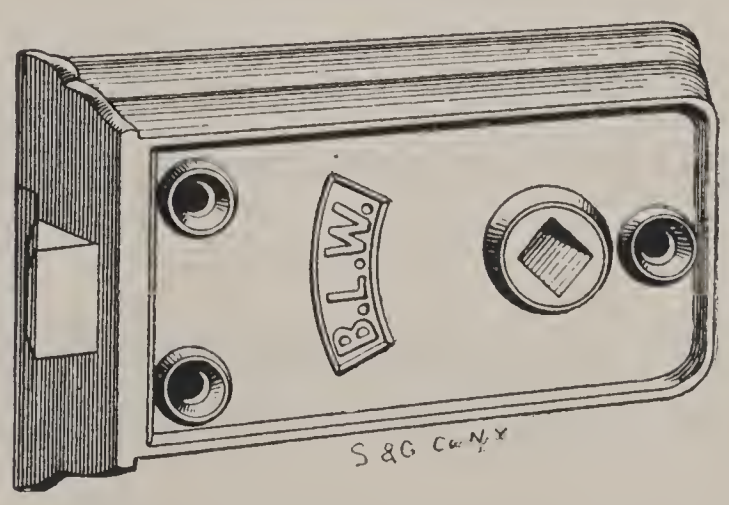
DESCRIPTION:

Iron Bronzed Rabbeted Front and Strike, Brass Bolts, Nickel-Plated Brass Key, ONE Tumbler.

The above Locks are not Reversible, but are made Right and Left Hand. When ordering, please state which hand is required. Packed half dozen in paper boxes.

REVERSIBLE HORIZONTAL RIM KNOB LATCHES.

OPEN CASE.



Size, 3½ x 2½ inches.

No. 200½. DESCRIPTION—Iron Bolt, Round Cornered Case.

SOCKET AND SCREW SASH HOOKS.

No. P345.
Plain Bronze Metal.

No. 305.
Bronze Metal.

No. P315.
Plain Bronze Metal.

No. 768.
1 inch.
Bronze Metal.

No. 780.
1 inch.
Bronze Metal.

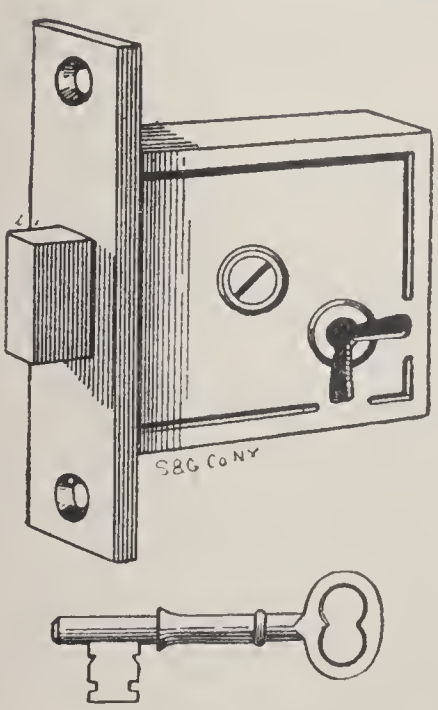
No. P770.
1 inch.
Plain Bronze Metal.

No. P777.
1 ¼ inch.
Plain Bronze Metal.

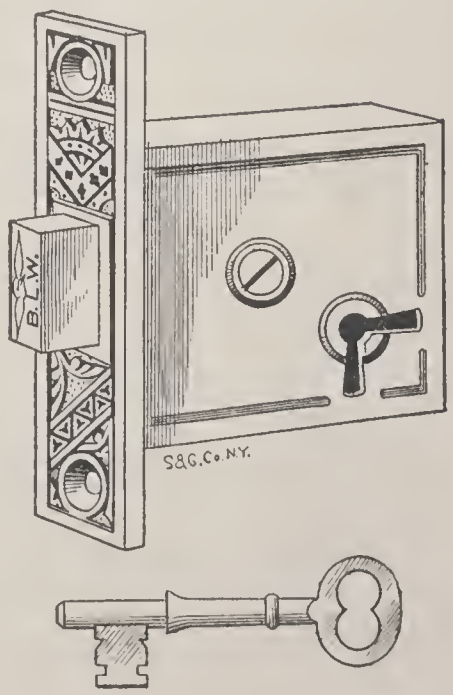
MORTISE DEAD LOCKS,

SUITABLE FOR CLOSETS OR DRAWERS.

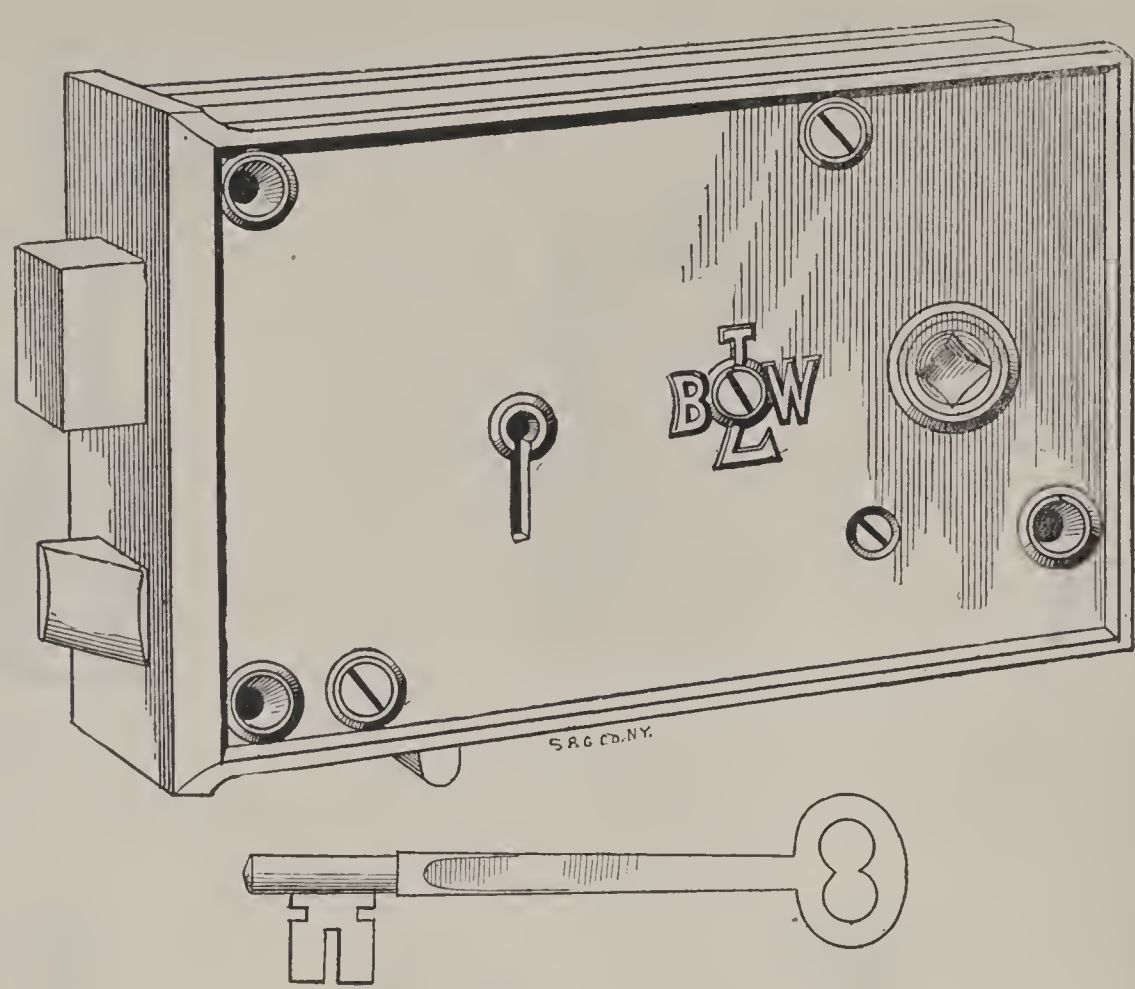
Size, 1 ¾ x 1 ¾ inches.



Nos. 72 to 73.



Nos. B1973 and 01973.



Nos. 2869 to 2973; 2672 to 2680.

JANUS-FACED

Reversible Horizontal Rim Knob Locks

WITH STOP.

PLAIN JAPANNED CASE.

SIZE, 6 × 4 INCHES.

CAST IRON INSIDE WORK.

No.	Description.
2869	Iron Bolts, Malleable Iron Key, ONE Tumbler.
2872	Iron Bolts, Nickel-Plated Brass Key, ONE Tumbler.
2972	Iron Bolts, Nickel-Plated Steel Key, ONE Tumbler.
2873	Brass Bolts, Nickel-Plated Brass Key, ONE Tumbler.
2973	Brass Bolts, Nickel-Plated Steel Key, ONE Tumbler.

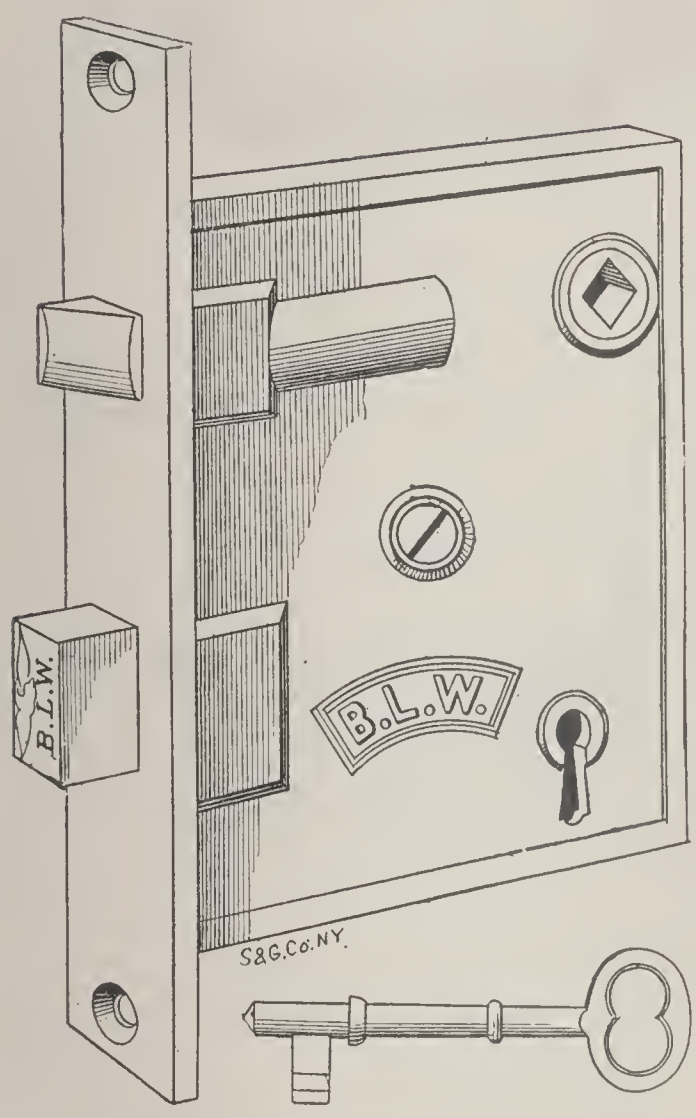
WROUGHT IRON INSIDE WORK.

No.	Description.
2672	Iron Bolts, Nickel-Plated Steel Key, ONE WROUGHT Tumbler, 24 Changes.
2673	Brass Bolts, Nickel-Plated Steel Key, ONE WROUGHT Tumbler, 24 Changes.
2678	Iron Bolts, Nickel-Plated Steel Key, TWO WROUGHT Tumblers, 36 Changes.
2680	Brass Bolts, Nickel-Plated Steel Key, TWO WROUGHT Tumblers, 36 Changes.

Packed half dozen in paper boxes, with Japanned Plate Escutcheons.

No. 800 to 804.

THIN MORTISE KNOB LOCKS.



REVERSIBLE BY REMOVING CAP.

Size, 4¼ × 3½ inches.

Cast Iron Inside Work.

No.	Description.
800	Same as No. 802, but with Nickel-Plated Brass Key.
801	Iron Front, Brass Bolts, Wrought Iron Strike, Nickel-Plated Brass Key, one Tumbler.
802	Iron Front and Bolts, Wrought Iron Strike, Malleable Iron Key, one Tumbler.
803	Brass Front and Strike, Iron Bolts, Nickel-Plated Brass Key, one Tumbler.
804	Brass Front, Bolts and Strike, Nickel-Plated Brass Key, one Tumbler.

Packed half dozen in paper boxes.

The above Locks can be used on doors ⅞ inches thick, and have sufficient wood left to hold the Rose and Escutcheon Screws firmly in their places.

ORNAMENTAL IRON PADLOCKS,

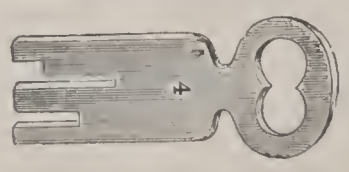
WITH FLAT STEEL KEYS.

BRANFORD AND IRON BRONZED CASE.

BRANFORD BRONZED.

No.	Size.	Description.
B990	2 inches.	Branford Bronzed Case and Shackle, one Key, 12 Changes.
B992	2½ inches.	Branford Bronzed Case and Shackle, one Key, 12 Changes.
B994	2¾ inches.	Branford Bronzed Case and Shackle, one Key, 12 Changes.

IRON BRONZED.

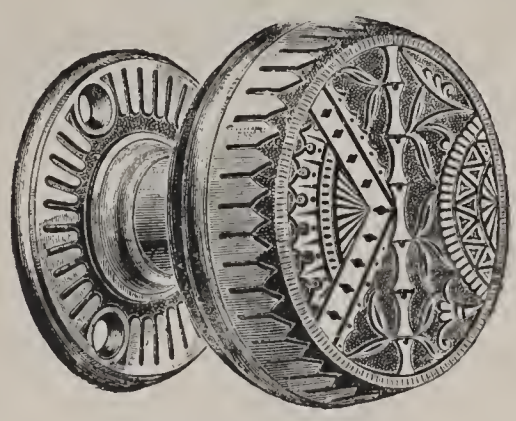


No.	Size.	Description.
0990	2 inches.	Iron Bronzed Case and Shackle, one Key, 12 Changes.

Packed one dozen in paper boxes.

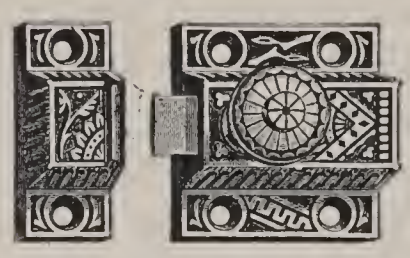
BRONZE METAL DOOR KNOB.

MORTISE.



No. 2366.
2¼x2½ inch.
Bronze Metal Knobs, Round Roses.

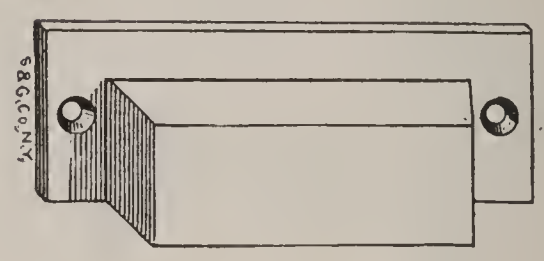
FRENCH WINDOW CATCH.



No. 505. Bronze Metal.

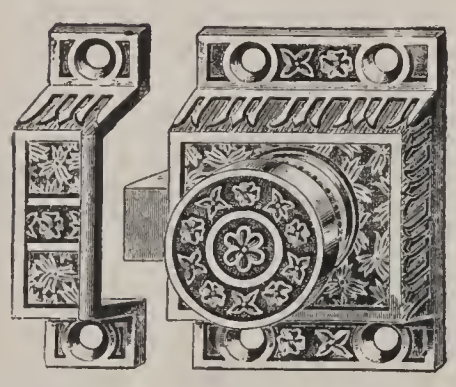
SURFACE DRAWER PULLS.

No. 163.
4 inch.
Bronze Metal.

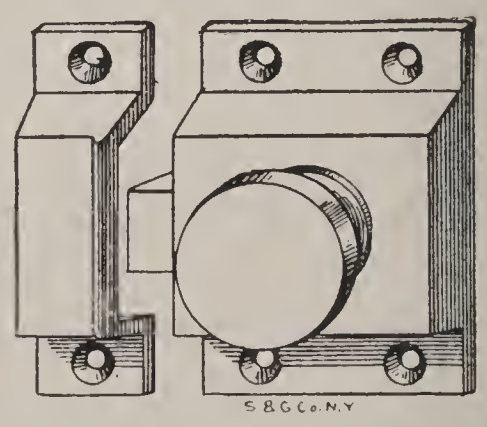


No. P187.
Plain Bronze Metal.

CUPBOARD TURNS.

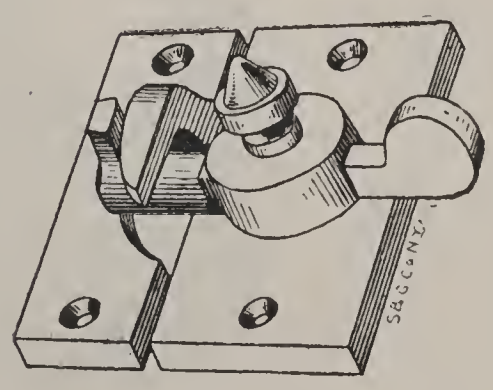


No. 600. Bronze Metal.

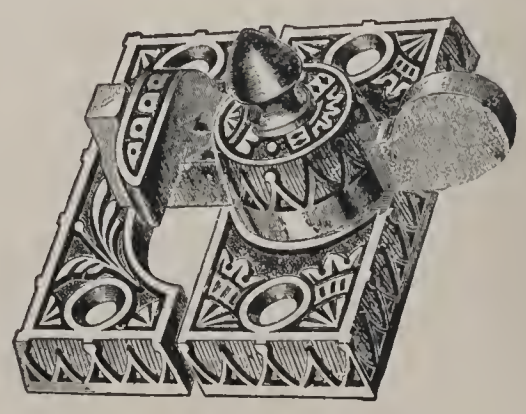


No. P500. Plain Bronze Metal.

PATENT SASH FASTENERS.

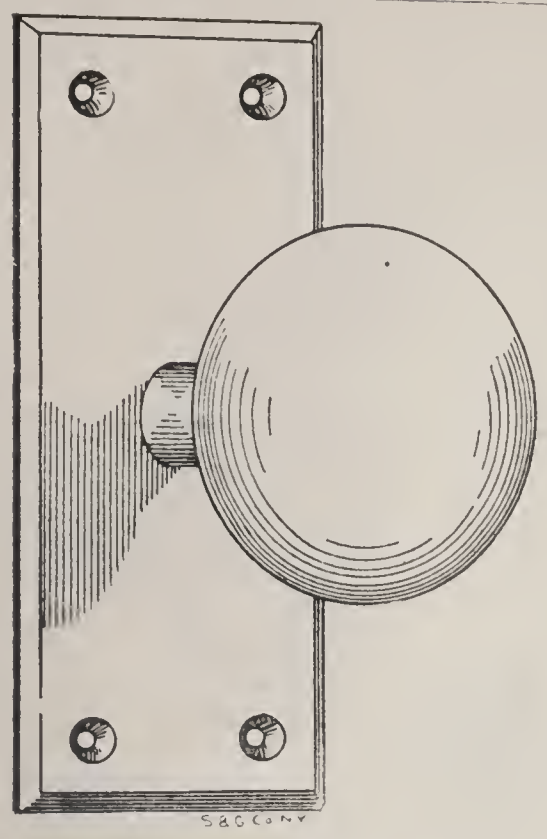


No. P550. Plain Bronze Metal.



No. 750. Bronze Metal.

Packed one dozen in paper boxes, complete with screws.



PLAIN BRONZE METAL BELL PULLS.

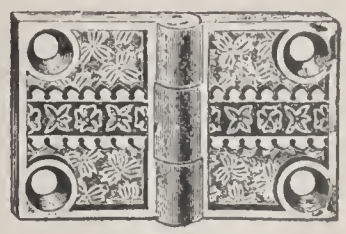
No. P3350.

Diameter of Knob, 2 inches.

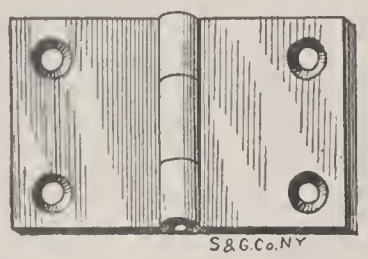
DESCRIPTION :

Plain Bronze Metal Ball Knob, Square Base.

FAST JOINT SHUTTER FLAPS.

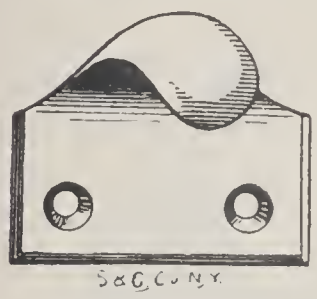


No. 22. 1¼x2 inch.
Ivy Design.



No. 20. 1¼x2 inch.
Plain Bronze Metal.

HOOK SASH LIFTS.



No. P90.

No. 70.

REVERSIBLE SHUTTER BARS.

No. 125.

No.	Size.	Description.
120	2 inch.	Bronze Metal.
125	2½ inch.	Bronze Metal.
B120	2 inch.	Branford Bronzed.
B125	2½ inch.	Branford Bronzed.
0120	2 inch.	Iron Bronzed.
0125	2½ inch.	Iron Bronzed.
1120	2 inch.	Byzantian Bronzed.
1125	2½ inch.	Byzantian Bronzed.

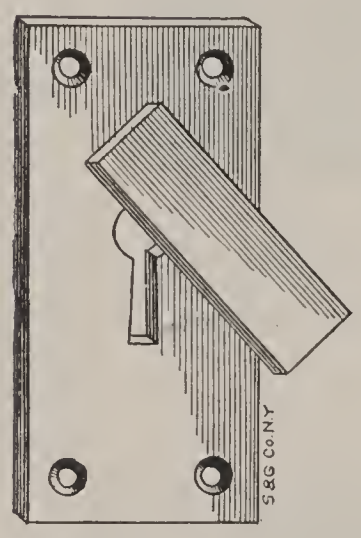
All the above Shutter Bars are the same design as No. 125, differing only in style of finish.

KEY-HOLE DROP ESCUTCHEONS.

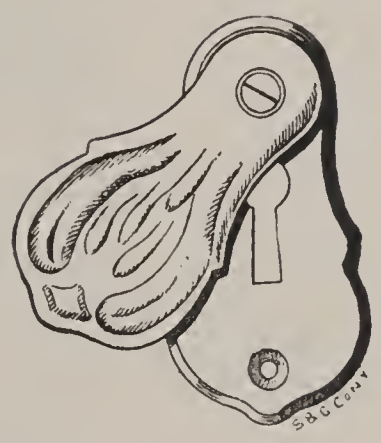
No. 435. Japanned
No. B2545. Branford Bronzed.
No. 02545. Iron Bronzed.
No. 2545. Bronze Metal.

No. 430. Japanned.
No. B2548. Branford Bronzed.
No. 02548. Iron Bronzed.
No. 2548. Bronze Metal.

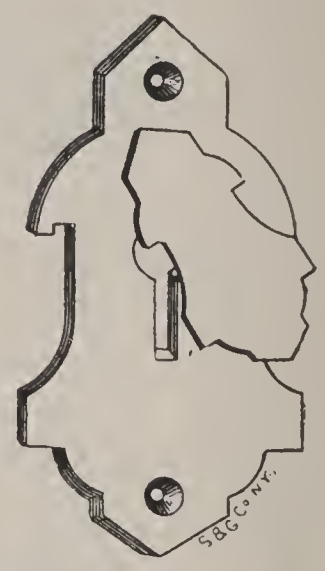
No. B2729. Branford Bronzed.
No. 02729. Iron Bronzed.
No. 2729. Bronze Metal.



No. 066. Plated.
No. P066. Plain Bronze Metal.

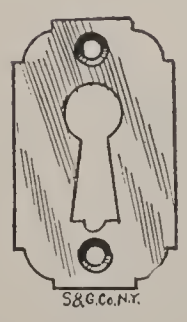


No. 0150. Porcelain.

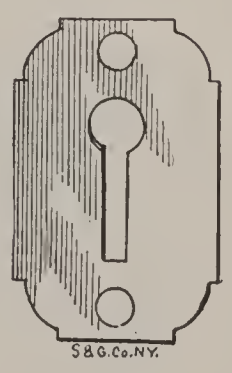


No. 088. Plated.
No. P088. Plain Bronze Metal.

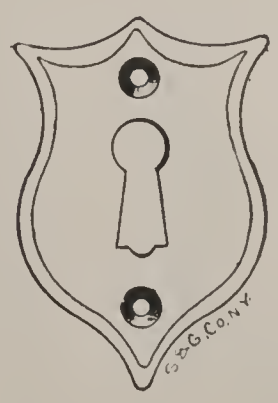
PLATE ESCUTCHEONS.



No. 10. Plated.



No. 012. Plated.



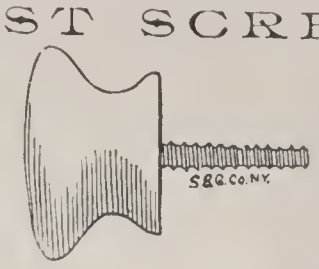
No. 115. Porcelain.

No. 108. Porcelain.
No. P108. Plain Bronze Metal.

FAST AND LOOSE SCREW SHUTTER KNOBS.

FAST SCREW.

1¼ inch.
No. 55. Mineral.



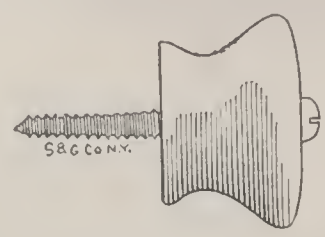
1¼ inch.
No. 60. Porcelain.

1¼ inch.
No. 45. Jet.

No. 55.	Mineral.	Inch,	¾	1	1¼	1½	1¾	2
No. 60.	Porcelain.	Inch,	½	⅝	¾	1	1¼	1½	1¾
No. 45.	Jet.	Inch,	¾	1	1¼	1½	1¾	2

LOOSE SCREW.

1¼ inch.
No. 50. Jet.

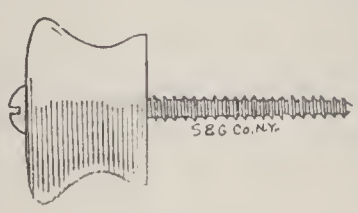


1¼ inch.
No. 70. Porcelain.

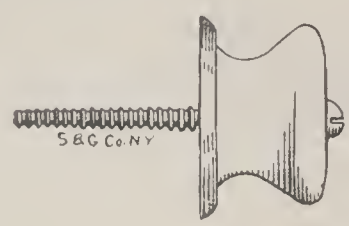
No. 50.	Jet.	Inch,	¾	1	1¼	1½	1¾	2
No. 70.	Porcelain.	Inch,	⅝	¾	1	1¼	1½	1¾	2

PORCELAIN PICTURE KNOBS.

WITH AND WITHOUT BASE.



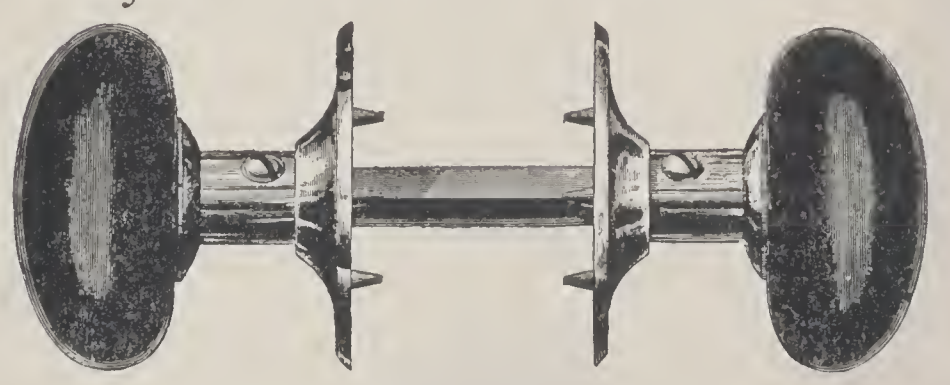
1 inch.
No. 80. Without Base.



1 inch.
No. 85. With Base.

No. 80.	Without Base.	Inch,	⅝	¾	1	1⅛	1¼
No. 85.	With Base.	Inch,	⅝	¾	1	1⅛	1¼

JET DOOR KNOBS.



No. 2412.

FIVE-SIXTEENTHS INCH PLAIN SPINDLE.

	No.	Diameter of Knob.	Description.
RIM.	203.	2¼ inch.	Jet Knobs, Japanned Iron Necks and Rose.
	2411.	2¼ inch.	Jet Knobs, Electro-Plated Necks and Rose.
	P2411.	2¼ inch.	Jet Knobs, Plain Bronze Metal Necks and Rose.
MORTISE.	205.	2¼ inch.	Jet Knobs, Japanned Iron Necks and Roses.
	2412.	2¼ inch.	Jet Knobs, Electro-Plated Necks and Roses.
	P2412.	2¼ inch.	Jet Knobs, Plain Bronze Metal Necks and Roses.

All the above Nos. packed half-dozen in paper boxes. Twenty dozen in a case.
The above Rim Nos. are spindled to extend from 1¾ to 2½ inches.
All the above Nos. can be spindled any length desired.
The above Mortise Nos. are spindled to extend from 1¼ to 2¼ inches.
All the above Nos. can be made 2¼x2½ in. when so ordered.

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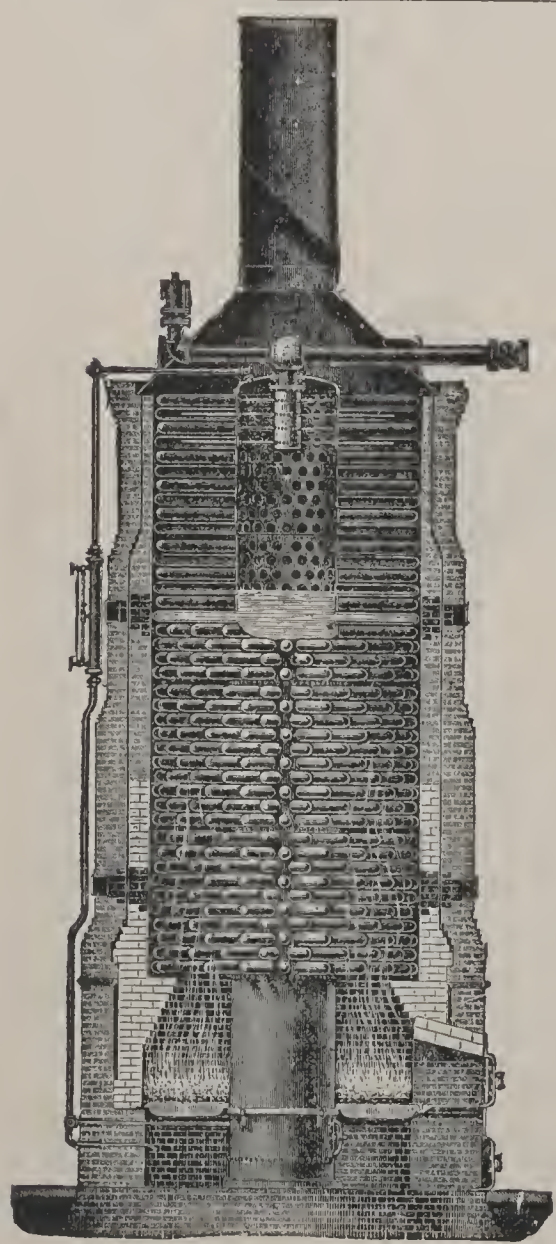
No.	Flexible Shafts.	Drill Presses.	Pedestal Drill.	Breast Drill.	Roundabout.	Counter Shaft.	100 feet Rawhide Belt.	Three Pair Couplings.	Price complete	Capacity about	Speed of Counter Shaft per minute about	Shipping weight about
										Drills to		lbs.
3	$30.00	.....	.....	$12.00	$10.00	$10.00	$18.75	$ .75	$81.50	¼ inch.	200	130
4	40.00	.....	.....	12.00	10.00	10.00	18.75	.75	91.50	½ "	650	140
4	40.00	$20.00	.....	.....	20.00	20.00	18.75	.75	119.50	⅝ "	450	230
6	60.00	25.00	.....	.....	20.00	20.00	28.50	1.50	155.00	1¼ "	440	265
8	80.00	30.00	.....	.....	20.00	20.00	28.50	1.50	180.00	1⅝ "	425	310
9	100.00	30.00	.....	.....	20.00	22.00	28.50	1.50	202.00	2 "	400	340
8	80.00	.....	$55.00	.....	20.00	20.00	28.50	1.50	205.00	2½ "	425	340
9	100.00	.....	55.00	.....	20.00	22.00	28.50	1.50	227.00	3 "	375	370

Cut represents full Portable Drilling Plant, consisting of Flexible Shaft, Counter Shaft, Drill Press, Roundabout, etc. Orders received through commission houses, duplicates of which should be sent to STOW MFG. CO., to insure prompt delivery of goods.



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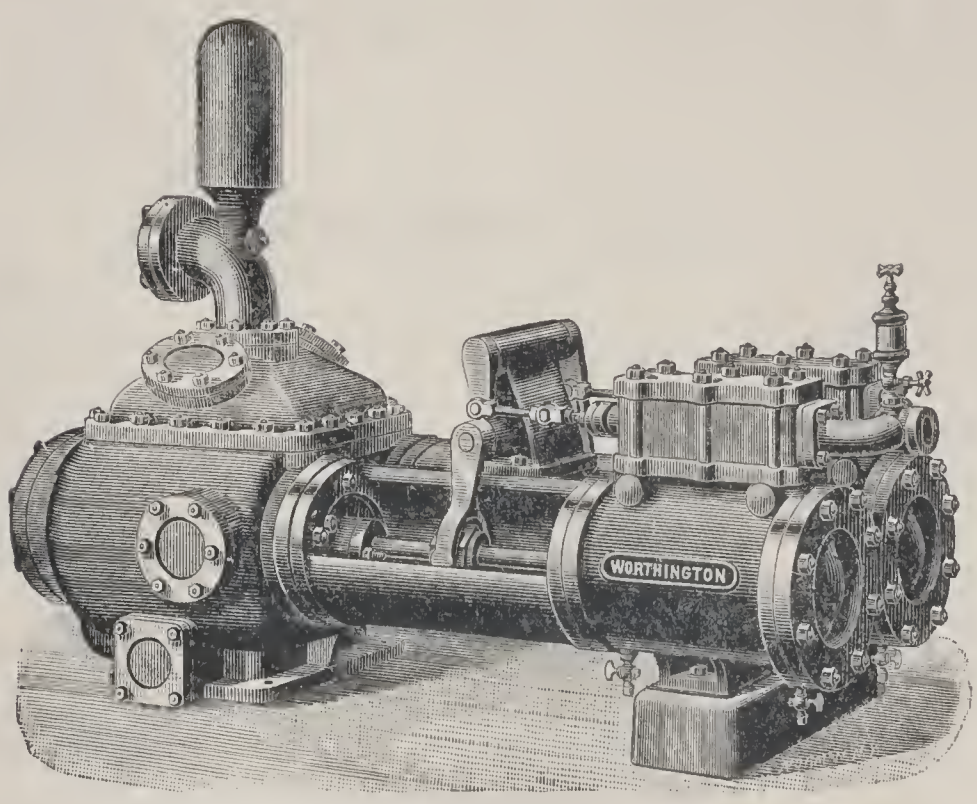

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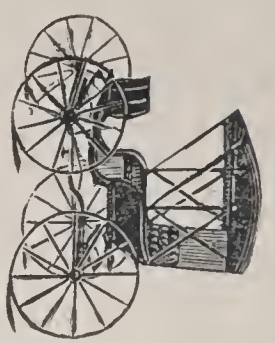
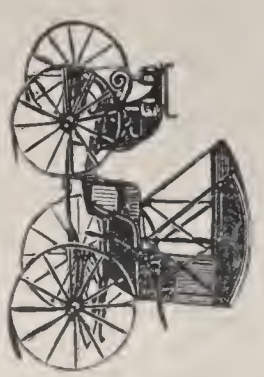
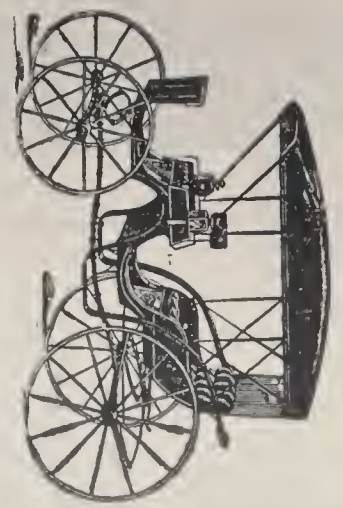


No. 109. "Wales" Phaeton.

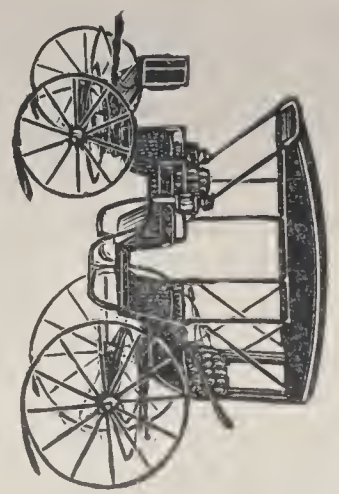


No. 113, Loop Phaeton. No. 113 C, with Rumble.

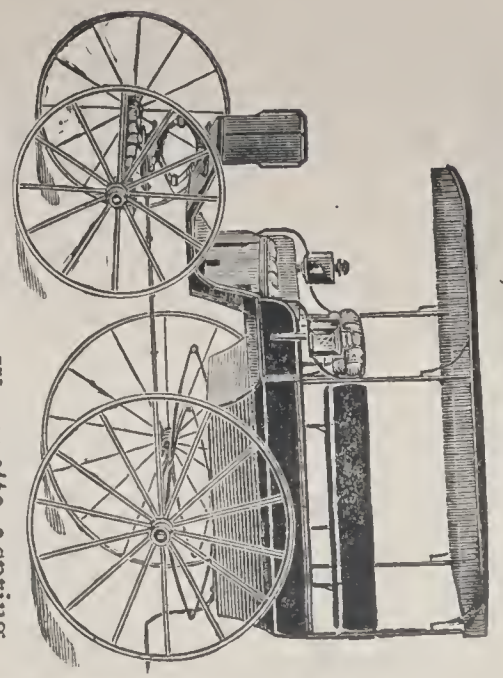
No. 169, Export Phaeton, 3 spring.
" without Rumble, 3 "
Full Platform, extra, $50.00 net.



No. 118 B, "Vendome," 3 spring.
" 118 C, " " Full Platform.



No. 120, Thorndike, 3 spring.
" 120 C, Full Platform.



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" 134, 9 " 3 "
$50.00 extra for Full Platform.

Style Nos.	Approximate Shipping Weight	Approximate Cubic Feet	Net F. O. B Amesbury Regular Dimensi'ns Price	Regular Tire	Regular Axle	Height Wheels	Weight	$5.00 net, for every ⅛ inch increase in tire or axle.	
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113	985	100	181 50	⅞	1	3 ft. & 3 ft. 6 in.	....	"	"
113C	1000	125	198 00	⅞	1⅛	3 ft. & 3 ft 6 in.	....	"	"
169	1000	125	151 25	1	1⅛	3 ft. & 4 ft	....	"	"
169C	975	105	134 75	1	1⅛	" "	....	"	"
118B	1070	150	219 75	⅞	1⅛	" "	535	"	"
118C	1100	150	272 25	⅞	1⅛	" "	625	Pole & Shafts	"
120	1500	200	296 45	1⅛	1¼	" "	625	Shafts only	Pole, $15 net.
120C	1600	200	363 00	1⅛	1¼	" "	700	Pole & Shafts	"
153	1600	206	332 75	1⅛	1¼	" "	855	Pole only	Shafts, $5 net.
134	1800	225	363 00	1¼	1⅜	" "	950	"	"

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Fig 3.

Fig. 1. Fig. 2.

Fig. 4.

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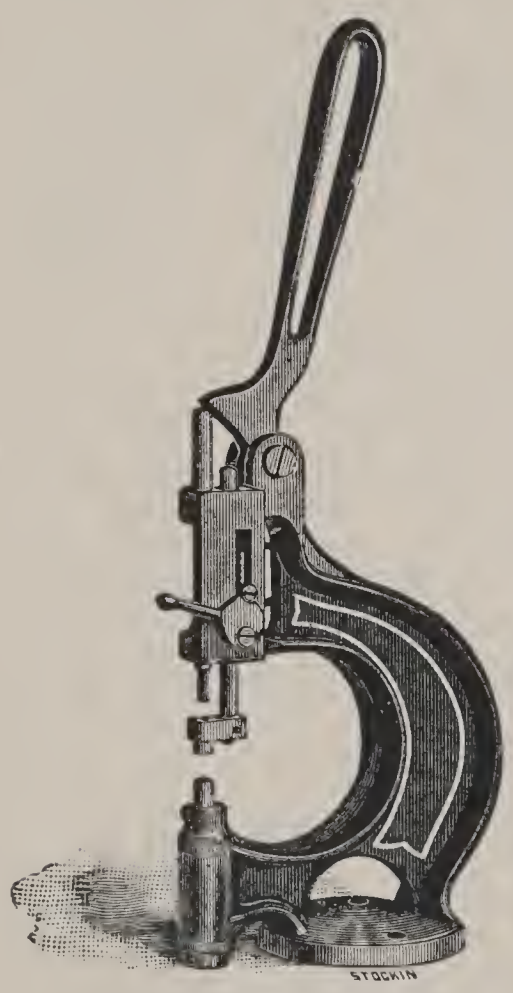

Fig. 5. HAND RIVETER.

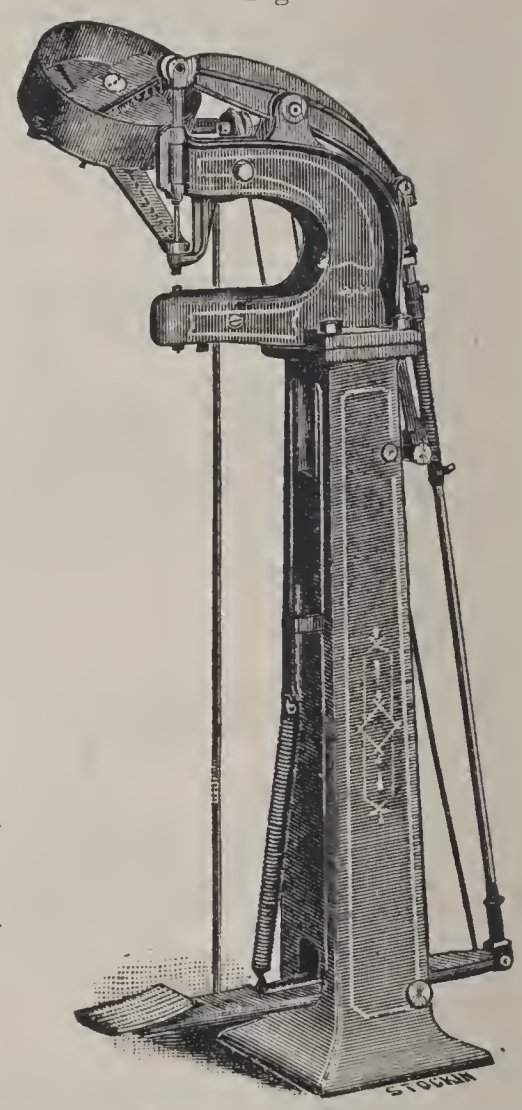

Fig. 6. FOOT POWER MACHINE.

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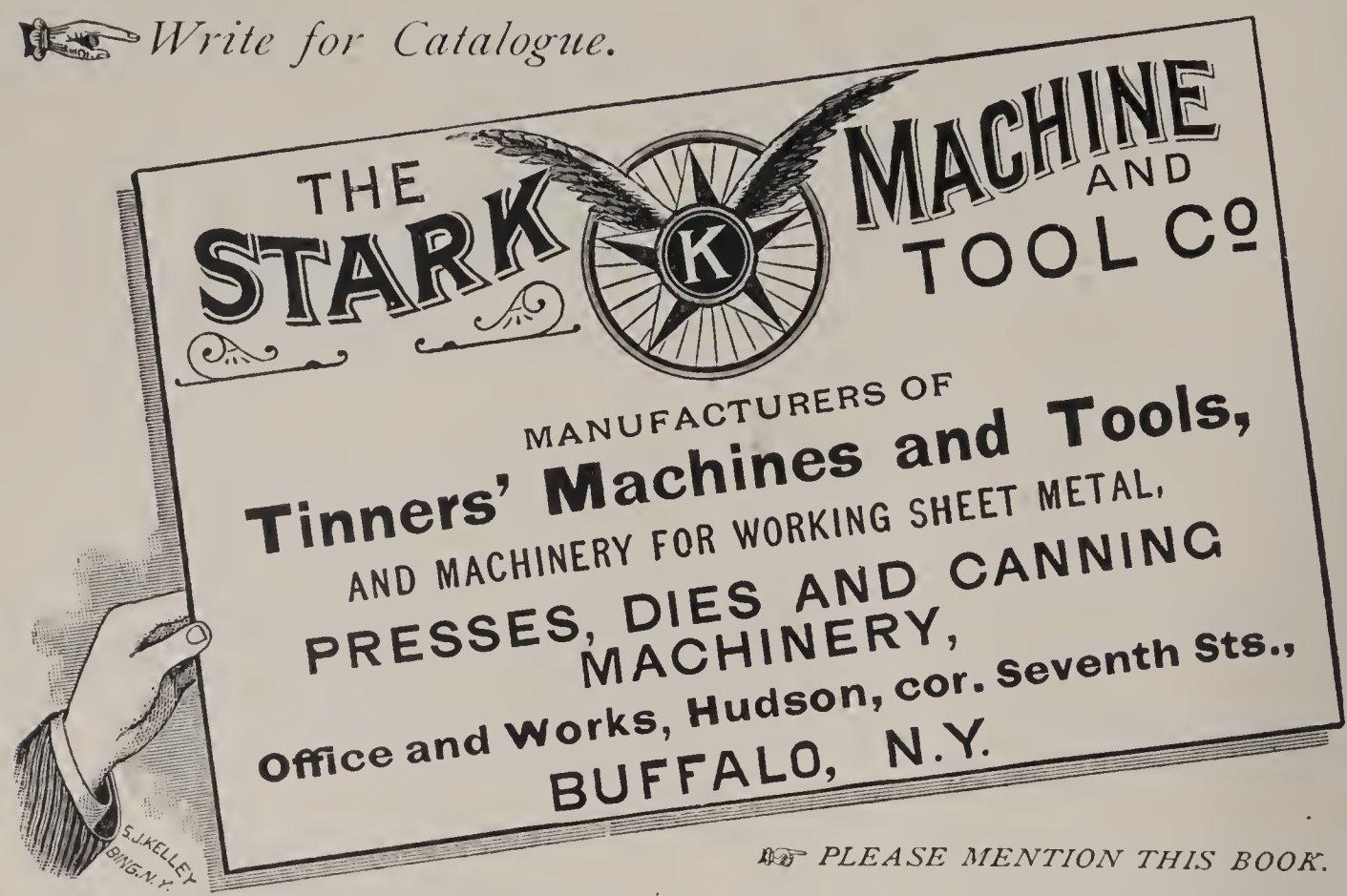

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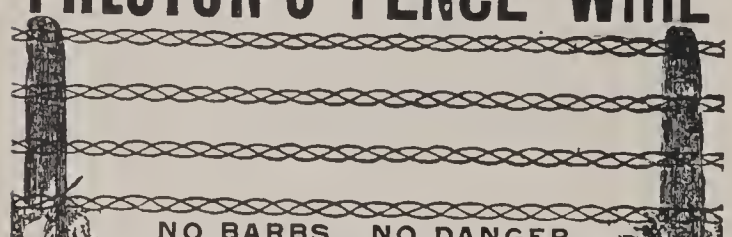

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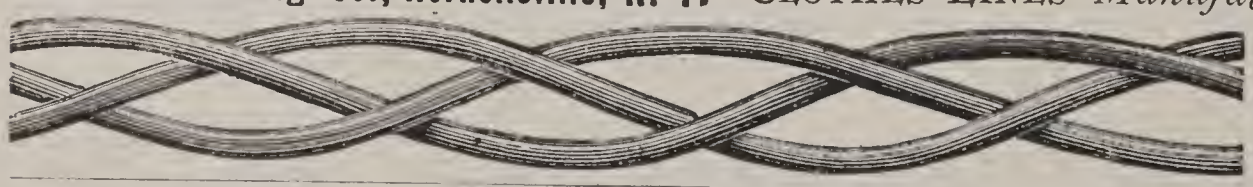

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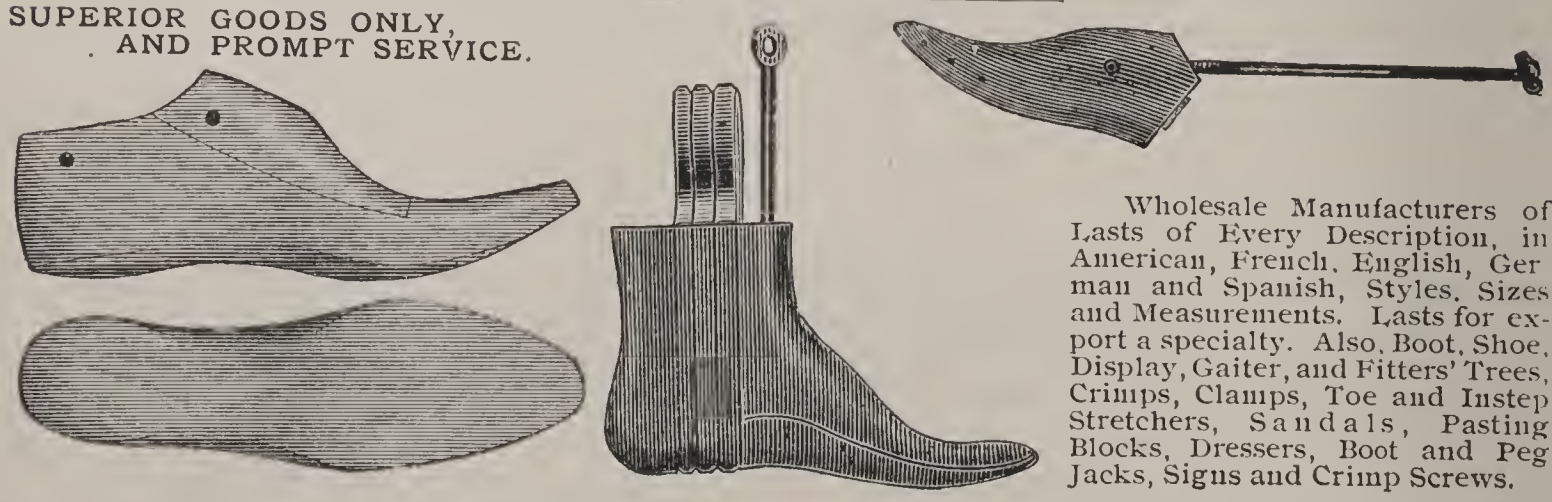

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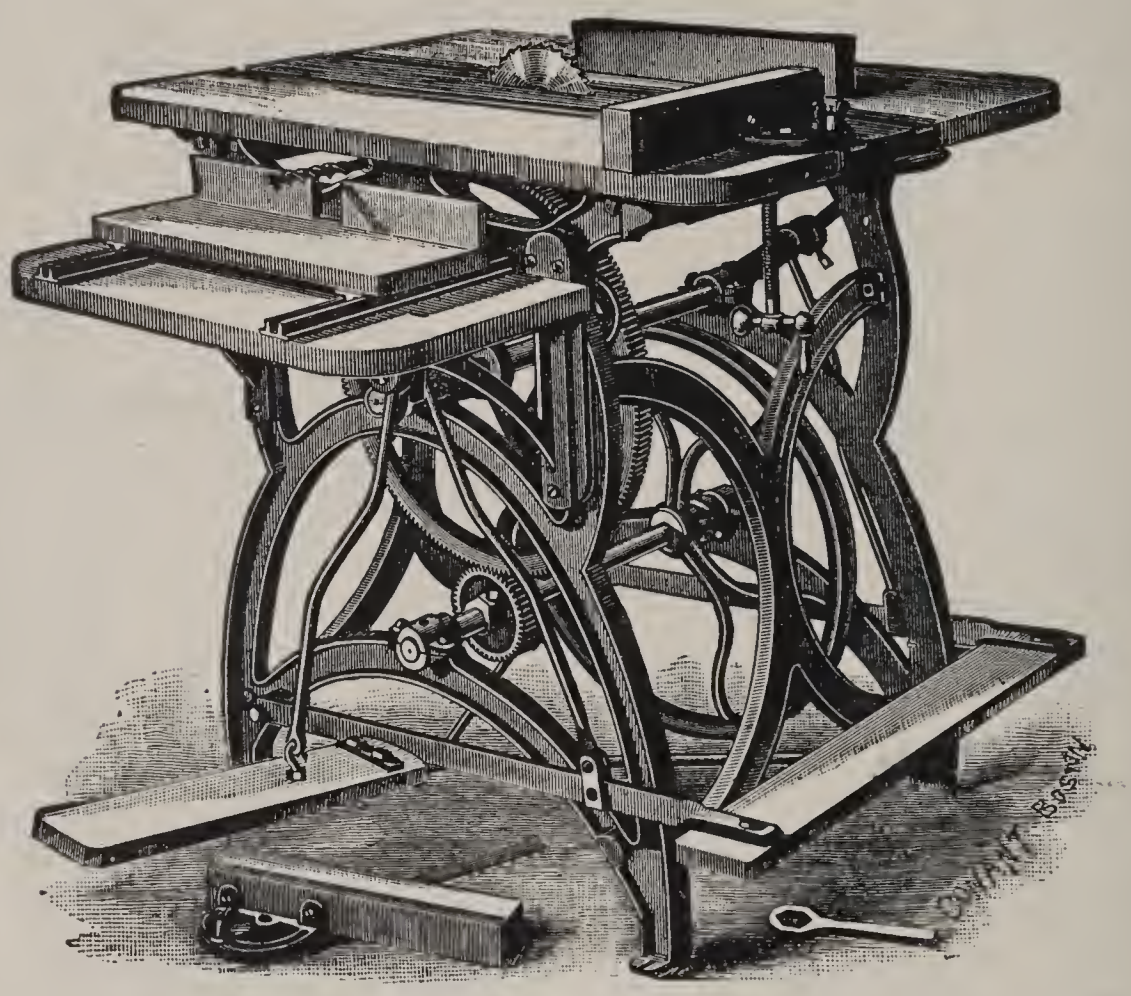

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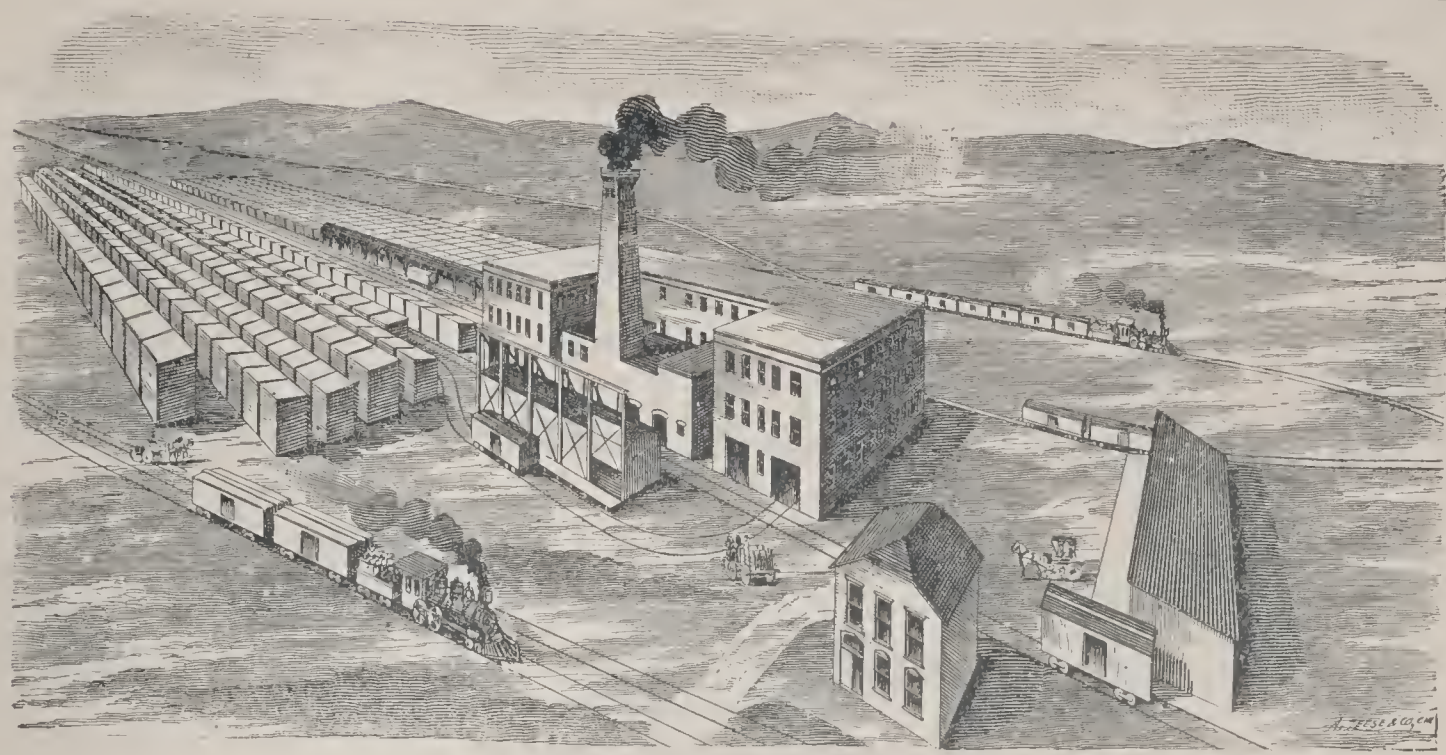

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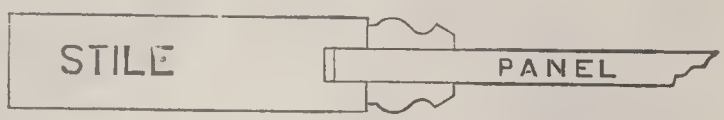

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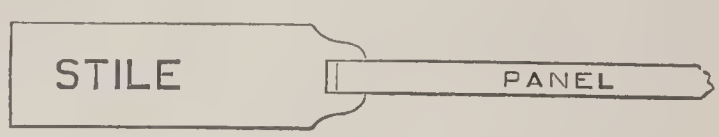

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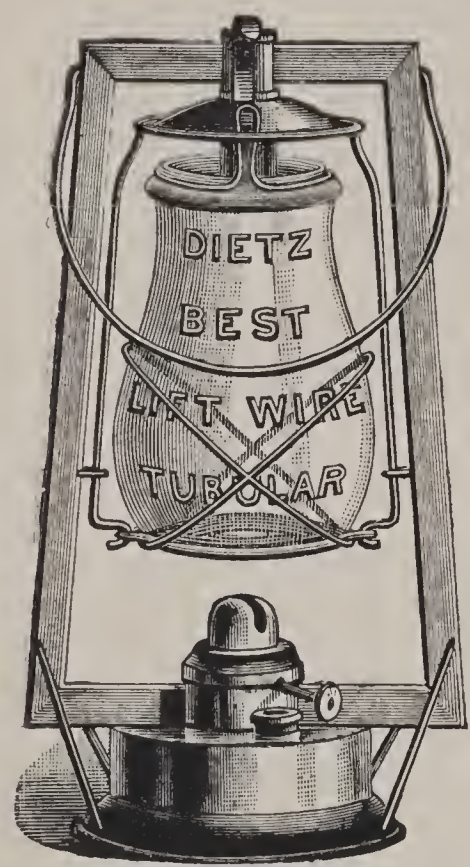

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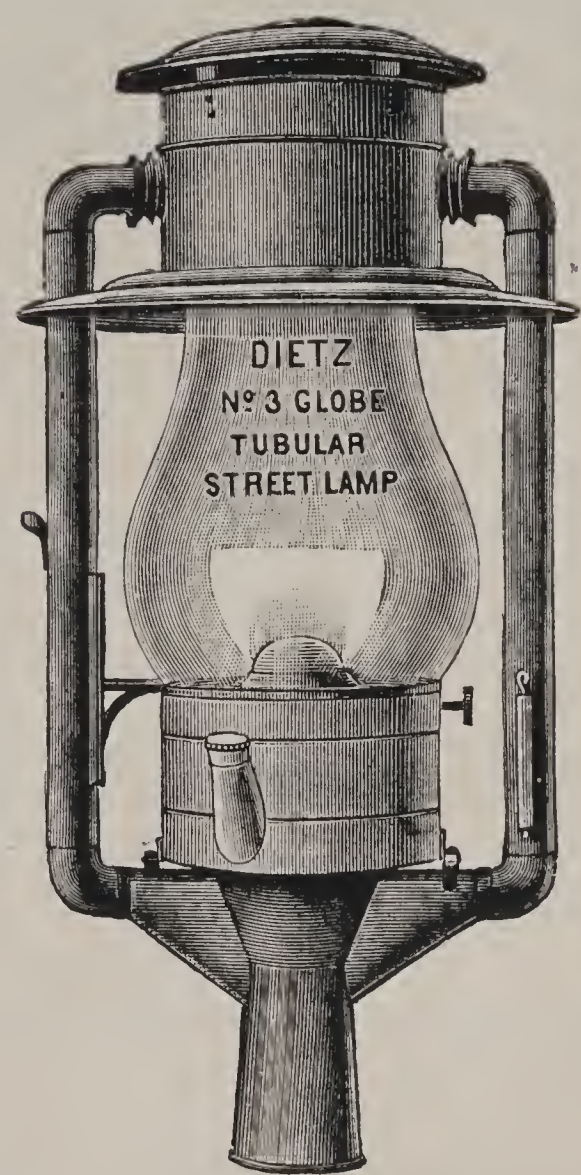

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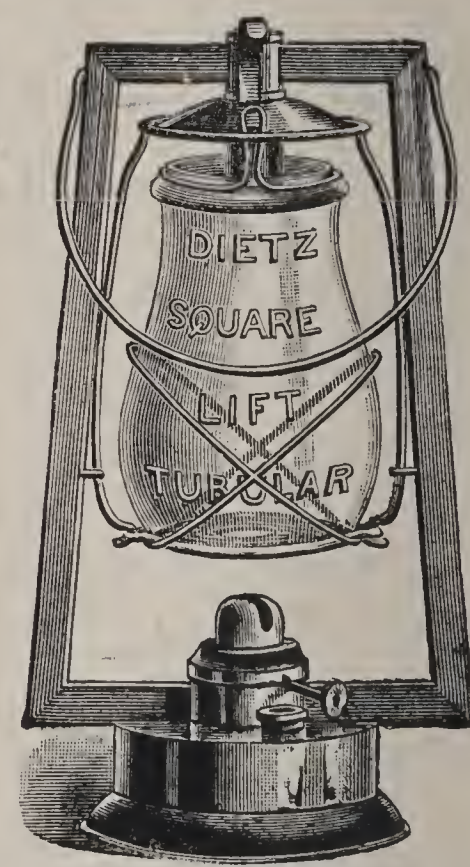

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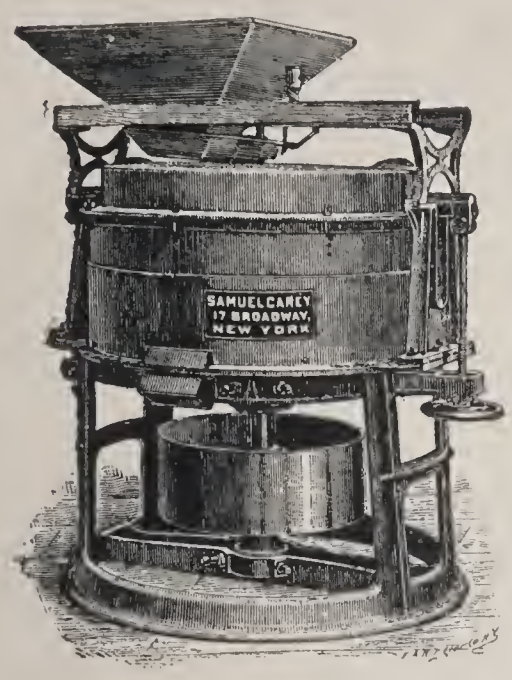

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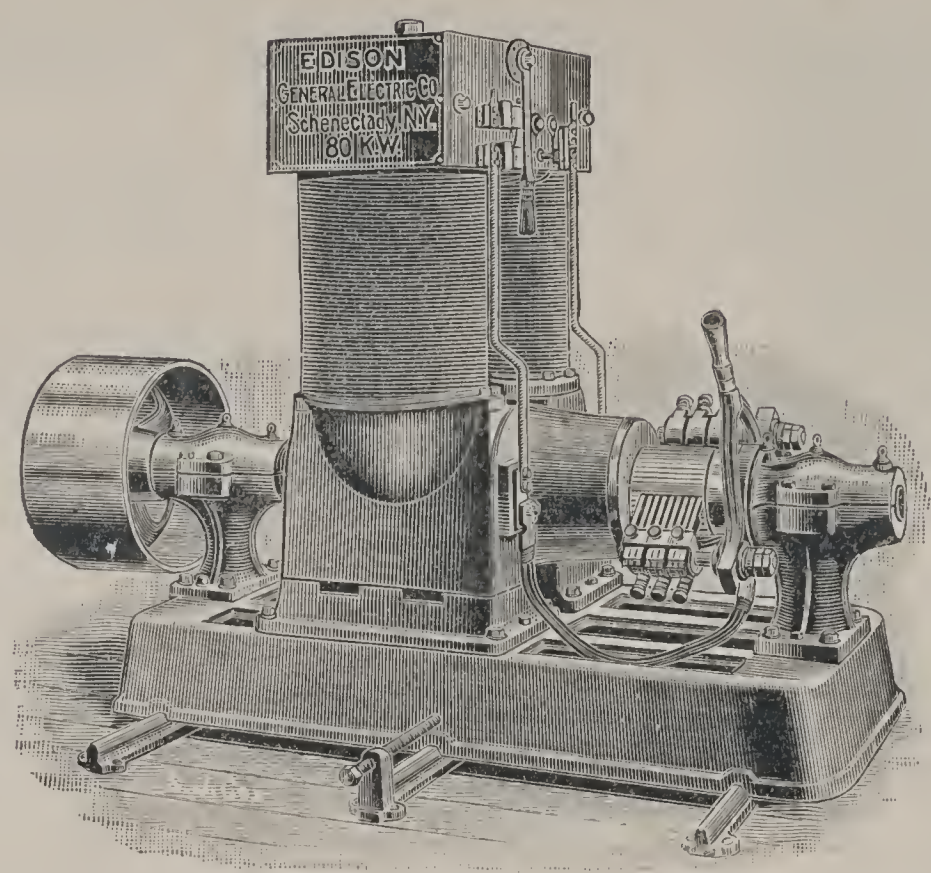

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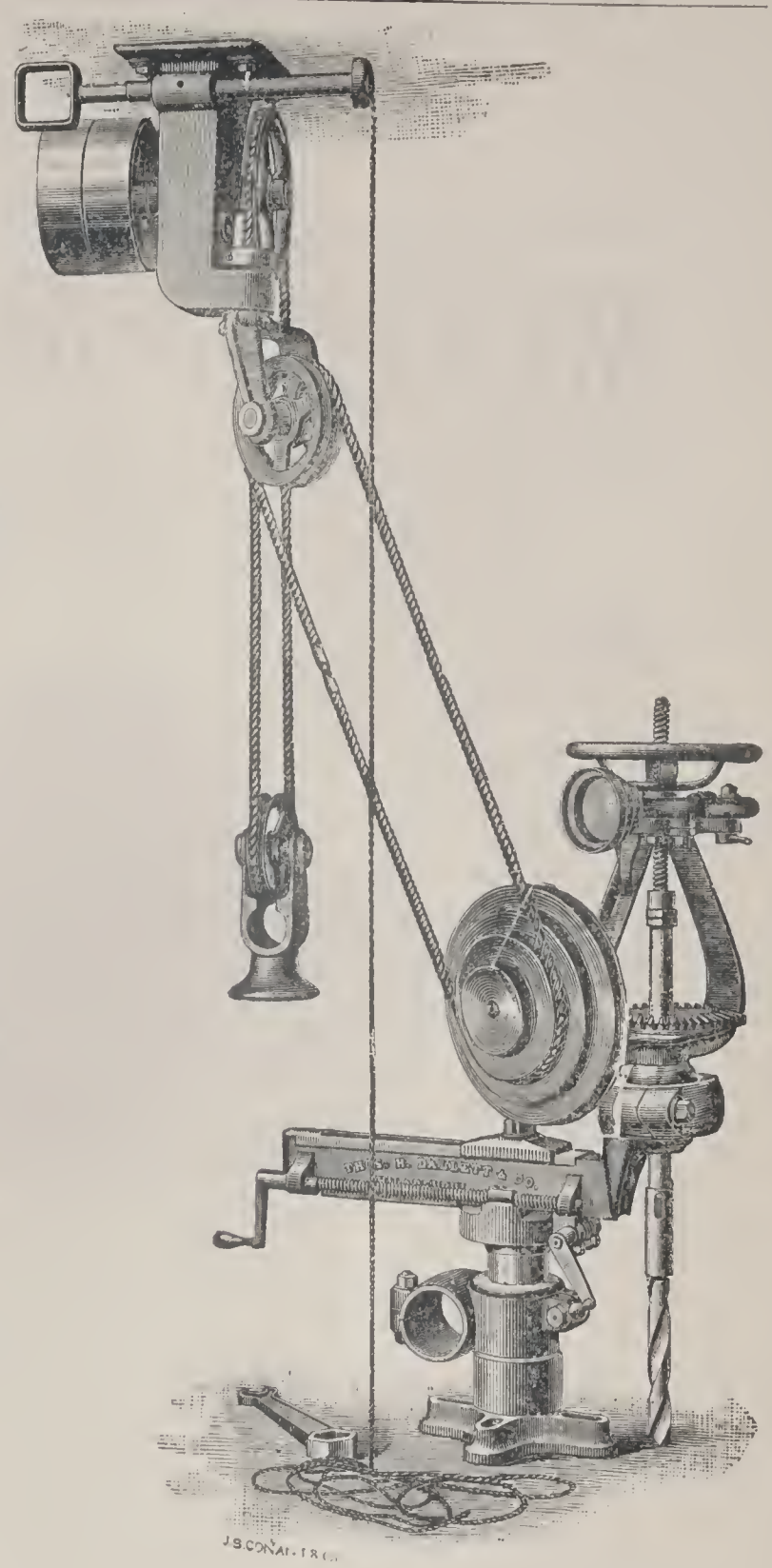

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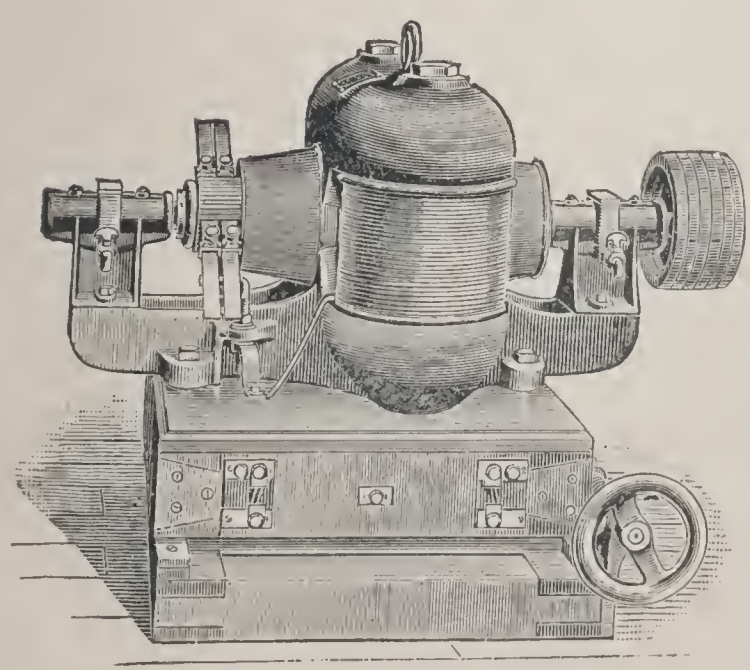

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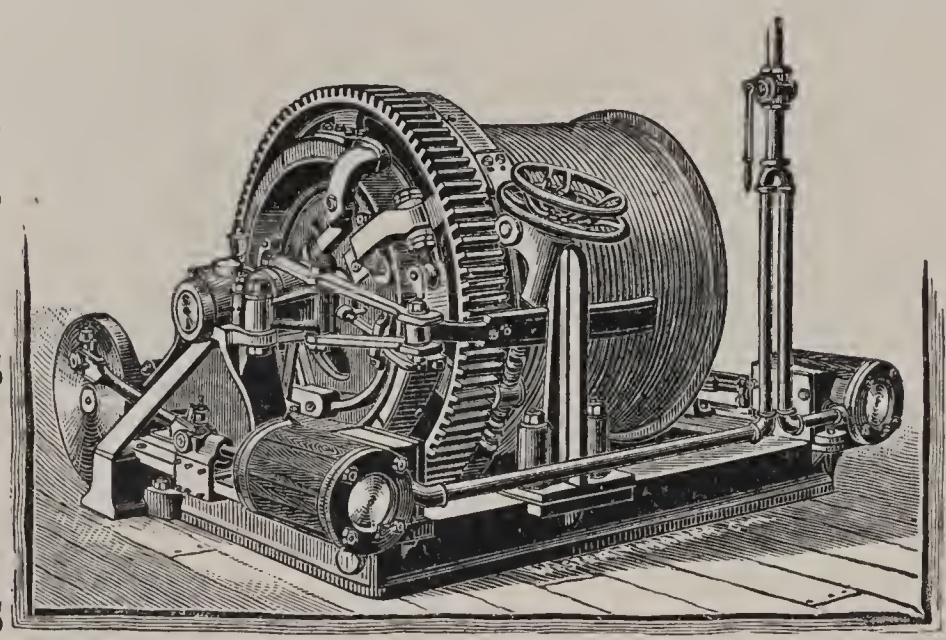
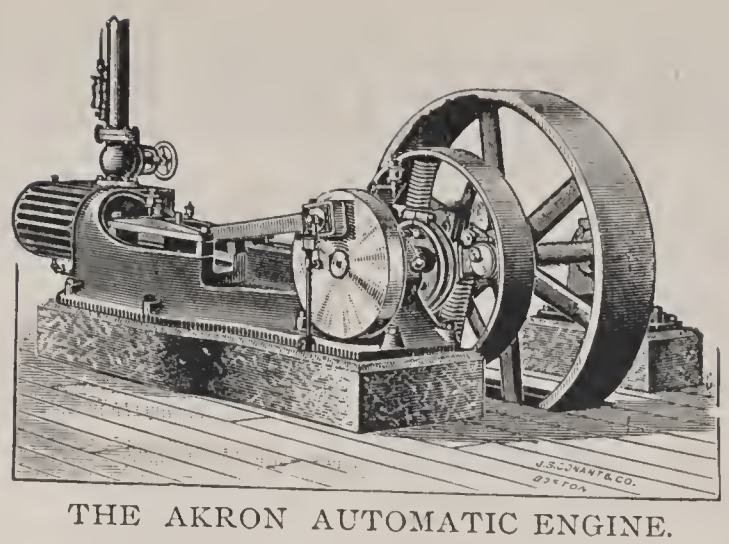


Safety-Cages, Ore Buckets, Water Buckets Ore Cars, Sheaves, Wire Rope, Cornish Plunger, AND Bucket Lift. Pumps.

DOUBLE CYLINDER PORTABLE HOIST.

THE table below gives the various sizes of our Combined Portable Hoisting Engines and Drum, especially adapted to underground, shaft and prospecting work. The general arrangement and appearance of this hoist is shown by engraving above. This has numerous advantages over any other portable hoist in the market, the improved driving-band being peculiarly adapted for this purpose. The engines are running at full speed before the load is lifted from the bottom, whereby the full power of engine is brought to bear upon the load to be raised. When the cage or bucket is at the top, steam is at once shut off, and by a turn of the hand wheel, the drum is released and allows the skip or bucket to run back as quickly as desired. These hoists are also built with two drums in the same frame. We have patterns for the following sizes, and are prepared to furnish them with despatch :

No.	Cylinders.			Proportion of Gears.	Drum.			Diam. Rope.	Average Speed of Hoist.	Average Load.	Approx. Weight, Single.	Approx. Weight, Double.	Price.	
	Diameter.	Stroke.	H. P.		Diameter.	Face.	Capacity.						Single Drum.	Double Drum.
	In.	In.			In.	In.	Feet.	In.	Feet.	P'nds	Pounds.	Pounds.	Dollars.	Dollars.
10	7	12	21	7 to 1	30	36	350	¾	200	3,500	7,000	13,000	950 00	1,350 00
12	8½	12	31	7 to 1	36	36	350	⅞	240	4,000	7,500	14,500	1,070 00	1,490 00
13	8½	12	31	7 to 1	42	36	400	1	280	3,500	8,000	15,000	1,150 00	1,570 00
14	9	15	37.5	6 to 1	42	42	440	1	280	4,000	12,000	27,000	1,410 00	2,250 00
15	10	15	43.3	6 to 1	48	42	500	1	300	4,500	16,000	29,500	1,550 00	2,550 00
16	10	15	43.3	6 to 1	54	48	575	1⅛	335	4,500	17,000	30,000	1,650 00	2,615 00
17	12	15	62	6 to 1	60	48	640	1⅛	375	5,500	20,000	37,000	2,025 00	3,140 00
19	13	15	75	6 to 1	60	48	575	1¼	375	6,500	25,500	44,000	2,500 00	3,445 00
20	14	15	100	6 to 1	60	48	575	1¼	400	9,000	28,000	48,000	2,615 00	3,675 00



THE AKRON AUTOMATIC ENGINE.

THE above cut shows clearly the general design of the Akron Automatic Engine. Steel is used for the Shaft, Crank and Cross-head Pins; Connecting, Piston and Valve Rods, and in every place where there is a gain to be made by its use.

The Connecting Rod is of extra large proportions, wear does not appreciably alter the distance between its centers, and its construction is such that it can be disconnected from the Crank and Cross-head Pins very quickly. The under side of the Cross-head travels in a recess made in the Frame, which contains oil at all times. The Piston Rod is secured in the Cross-head by a fine thread and jam nut.

The Valve is balanced by means of a heavy pressure plate and distance pieces. The construction of the Valve is such that steam is admitted to the Cylinder through four ports at once, and exhausted by two passages. By this means wire drawing of the steam is prevented and a very free exhaust obtained. This is secured without an excessive amount of clearance, which gives us one of the best Valves upon the market. The Valve is moved by a Centrifugal Shaft Governor which locks itself in every position, thus preventing racing and obtaining close regulation. The construction of the Governor is such that the Engine can run either over or under, with only a change in the location of moving parts.

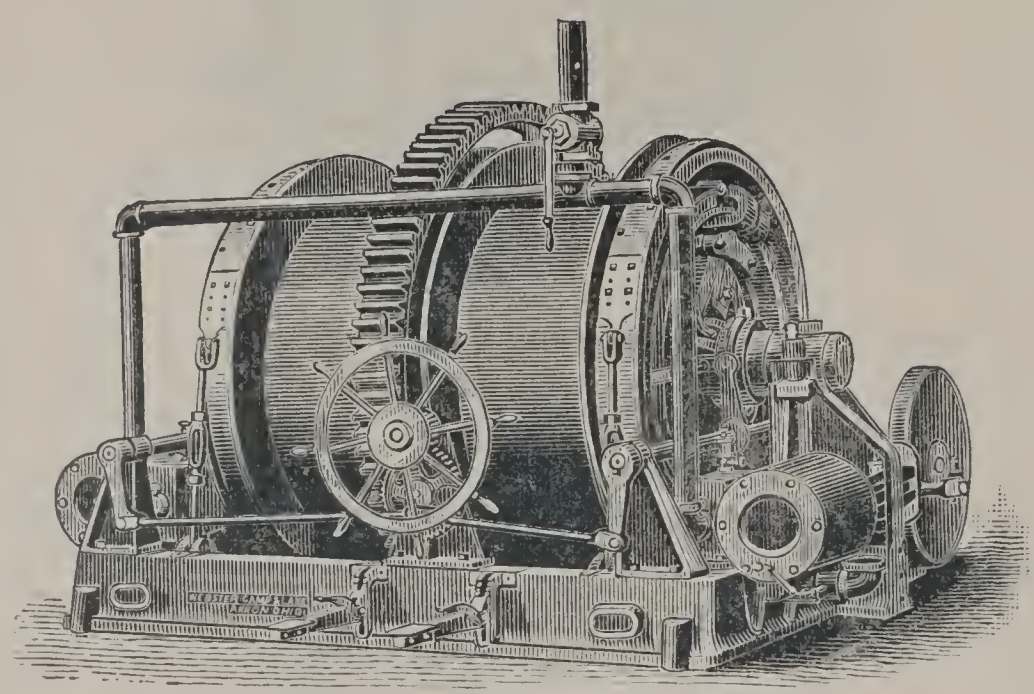
The Engine is designed for the use either of the Single Valve, described above, or for two Valves, one of which governs the release, compression and admission, and the other the cut-off. This is accomplished without any change in the Cylinder Ports from the Single Valve design. A finely finished Oil Guard for the Crank Disk is furnished with each Engine, but is not shown in the cut.

In the following table the Horse Powers are those which will approximately be obtained under 80 Pounds Steam Chest Pressure, cutting off at ¼ Stroke, the number of Revolutions being as given in the table. The parts are made strong and large enough, however, to work under 120 pounds, thus increasing the Power fifty per cent.

C'lind'r		Revolutions per Minute.	Horse Power.	Band Wheels.			Pipes.		Space.	Dimensions.		Weig't	Price.
Diameter in inches.	Stroke in inches.			Diameter in inches.	Face in inches.	Weight.	Steam Dia.	Exhaust Dia.	In feet and inches	Crank Pin	Shaft Journal.		
8	12	250-325	25-40	48–54	10	1,200	3	3	8-6x5-4	2¾x2¾	4x8	4,600	$750.00
9	12	250-325	30-45	48–54	10	1,200	3	3	8-6x5-4	2¾x2¾	4x8	5,000	800.00
9	15	200-260	35-50	60–66	13	1,800	3½	3½	10-2x5-10	3¼x3¼	4½x10	6,500	925.00
10	15	200-260	45-60	60–66	13	1,800	4	4	10-2x5-10	3¼x3¼	4½x10	7,000	1,050.00
11	15	200-260	55-75	60–66	13	1,800	4	4	10-2x5-10	3¼x3¼	4½x10	7,500	1,150.00
11	18	180-240	60-85	66–72	15	2,650	4½	4½	11-10x6-6	3¾x3¾	5½x12	9,000	1,250.00
12	18	180-240	70-95	66–72	15	2,650	4½	4½	11-10x6-6	3¾x3¾	5½x12	9,500	1,400.00
13	18	180-240	85-110	66–72	15	2,650	5	5	11-10x6-6	3¾x3¾	5½x12	10,500	1,525.00
13	20	160-220	90-120	72–84	17	3,200	5	6	13-2x7-4	4¼x4¼	6½x14	11,000	1,650.00
14	20	160-220	100-135	72–84	17	3,200	5	6	13-2x7-4	4¼x4¼	6½x14	11,500	1,850.00
15	20	160-220	110-150	72–84	19	3,500	6	7	13-2x7-6	4¼x4¼	6½x14	12,000	2,000.00
15	24	140-185	120-160	84–96	21	4,800	6	7	15-8x8-4	4¾x4¾	7½x16	16,000	2,300.00
16	24	140-185	135-180	84–96	21	4,800	6	7	15-8x8-4	4¾x4¾	7½x16	17,000	2,550.00
17	24	140-185	150-200	84–96	25	5,700	7	8	15-8x8-8	4¾x4¾	7½x16	19,000	2,800.00
18	27	125-165	170-225	96–108	27	6,300	7	8	18-4x9-8	5¼x5¼	9x18	22,000	3,200.00
20	27	125-165	200-265	96–108	31	7,000	8	9	18-4x10-0	5¼x5¼	9x18	25,000	3,400.00

Webster, Camp & Lane Machine Co.

AKRON, OHIO.



TAIL ROPE HAULAGE MACHINE.

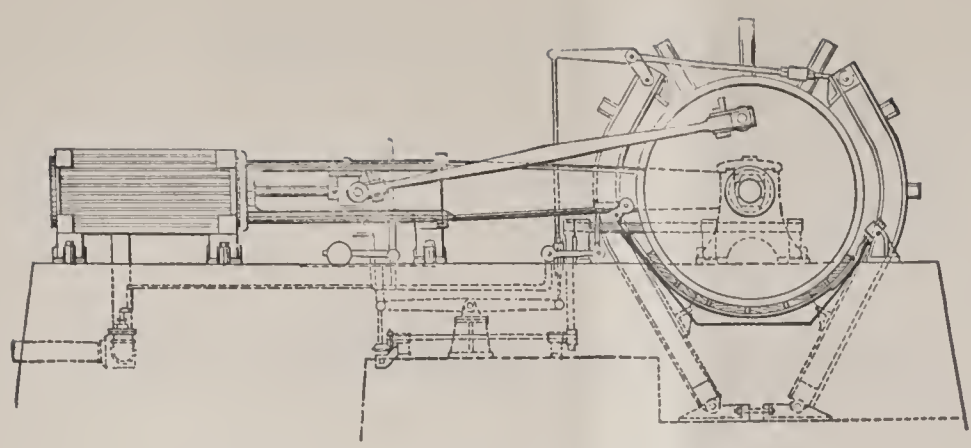
The above cut shows our Improved Tail Rope Haulage Machine, adapted to either surface or underground haulage of cars. The machine is furnished with our Patent Band Friction Driving Bands and Band Brakes, which gives the engineer complete control of the train at all times. The entire machine rests upon a heavy cast-iron frame, being entirely self-contained and very compact.

When it is desired they are built with the Double Hand Wheels for operating clutch and brake bands, as shown in cut of Portable Hoist on first page of this circular.

We have installed a large number of these plants in the past few years, every one of which is giving entire satisfaction.

We have patterns for the following sizes, and are prepared to furnish them promptly. Prices upon larger plants furnished on application.

No.	Cylinders.			Drums.			Speed miles per hour.	Weight, lbs.	Price.
	Dia.	Stroke.	H. P.	Dia.	Face.	Capacity ¾ Rope.			
	In.	In.		In.	In.				
30	8½	12	31	48	30	3,500	6	12,000	$1,500
33	10	15	43.3	60	30	4,500	6	25,000	2,200
34	12	15	62	60	30	4,500	6	34,000	2,500
35	12	15	62	72	30	7,700	6	37,000	2,700
36	13	15	75	60	30	4,500	6	35,400	2,600
37	14	18	85	72	30	7,700	6	42,200	2,950
38	15	18	100	72	36	9,000	6	45,000	3,500



DIRECT ACTING REEL HOIST.

THE above Cut shows an end elevation of our Direct Acting Double Reel Hoisting Engines, consisting of two Balanced Slide Valves or Corliss Engines coupled at right angles on one Shaft, on which are mounted the two Reels, both of which are provided with our Patent Band Friction Clutch and a Powerful Post Brake, so that the Reels may be used independent of each other, for hoisting from different levels, or the Driving Disk and Reels may be securely locked together and used to hoist with the Cages in balance, as may be desired. The Post Brakes are operated either by a Steam Cylinder or Hand Wheel, as desired; when operated by Hand Wheel, we use the same device for connecting the Clutch and Brake Hand Wheels as used on our other Plants. All Hand Wheels and Levers for operating the Plant are arranged upon a Central Platform, and in the most convenient position for operation. These Plants are furnished with either Dial or Drum Indicator, as desired.

The Engines are built from recent designs and of the very best material, with ample wearing surfaces, and finished in the best possible manner. We have Patterns for the following sizes, and are prepared to furnish them promptly.

Direct Acting Double Reel Hoisting Engines.

WEBSTER, CAMP & LANE MACHINE CO.,

AKRON, OHIO.

Diam. Cylinder.	Stroke Piston.	Diameter Reel.	Face Reel.	Diam. Reel Arms.	Size of Rope.	Weight Rope per Foot.	Amt. Rope Reel Holders.	Rev. Engine per Minute.	Working Load from Max. Depth, Including Rope.	Average Speed Rope per Minute.	Max. Speed Rope, Engine at Speed Given.	Weight of Rope.	Weight Engine Complete.	Price, with Slide Valve Engines.
In.	*In.*	*In.*	*In.*	*Ft.*	*In.*	*Lbs.*	*Ft.*		*Lbs.*	*Ft.*	*Ft.*	*Lbs.*	*Lbs.*	*Dollars.*
12	36	36	3½	9	3 x⅜	2.	1,500	90	5,000	1,700	2,500	3,000	32,000	4,400.00
14	36	36	4	10	3½x⅜	2.44	1,800	90	7,500	1,700	2,500	4,300	40,000	4,900.00
16	42	42	4	11	4 x⅜	2.52	2,200	80	11,500	1,750	2,700	5,500	50,000	5,300.00
18	48	42	4½	12	4 x½	3.3	2,200	75	18,000	1,750	2,800	7,200	76,000	6,460.00
20	48	48	4½	13	4½x½	4.	2,500	75	22,000	2,000	3,000	10,000	90,000	7,340.00
20	60	54	5	14	4½x½	4.	2,800	70	22,000	2,000	3,000	11,000	110,000	9,350.00
22	60	54	5½	15	5 x½	4.3	3,500	70	27,000	2,200	3,300	15,000	144,000	11,500.00
24	60	60	6	16	6 x½	5.1	4,000	70	31,000	2,250	3,500	20,400	160,000	12,750.00
26	72	66	6½	16	6½x½	5.5	....	..	....	....	....	....	....	....
28	72	66	..	18	8 x½	..	....	..	....	....	....	...	....	...

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